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<210> 6528

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6528

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<210> 6529

<211> 552

<212> DNA

<213> Homo sapiens

<400> 6529

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ntcttgaaga ctctttaaag gtaatttcta cctttccctt tttggaataa ggtctacttg	480
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<211> 564

<212> DNA

<213> Homo sapiens

<400> 6530

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tgcctgctcc tgttccctca gaatcaatcc ttacccatca cattgtctta cattagggcc	180
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<211> 563

<212> DNA

<213> Homo sapiens

<400> 6531

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aagtaggatg ttagtctcaa aatccaagaa gttaaattat taattcaaat tcaatcttat	480
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<210> 6532

<211> 553

<212> DNA

<213> Homo sapiens

<400> 6532

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aagaaggcca tcaccattgg gaagaagtta aaatatatta tataaaatta aactaattta	180
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tctaaaaagg tcattatgtc atgcatacac aaacaaacag agaagcaaaa gagaaatgca	300
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ggacaccatt gaaaagacta agtcaaattt ccaaagaaaa atgtcacatg tctatcctgt	420
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<210> 6533

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6533

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tacaggtaca tcctaccaca cctggctaata ttttgtatct ttagtagaga cgaggtttca  180
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cacaaagan aactgaacct caggtaagct nttaaaanga aaccaacaac tgnnggggta  480
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<210> 6534

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6534

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attgtaacat atacctcacc tcttctcaaa aagacaggaa gtctacttcg tctagtgtta  180
aatttattga tctcagccct ttaggttgaa cttaaagaat tatgtttagt ctaactaaat  240
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 aagcaacctt tgatgggtta gnccaagtcc atcctttata gtccatttta accttantag 480
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<210> 6535

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6535

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<210> 6536

<211> 566

<212> DNA

<213> Homo sapiens

<400> 6536

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aagatcctcc tcaaacttta aggggtgaaaa gcataccatt ccattttagt tgaaatatc 360
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tgcctactgg attattttcc cttcaactta tctaaattta acactggtat tactgggttt 480
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<210> 6537

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6537

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aaagcagctg cttttcaatt gtccaccagg tgacatgaat tccaagttt gtactaaagc 180
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cattggccac aggtggacac catctcaaag actnttccaa gagagcaagc ttncanatgt 480
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<210> 6538

<211> 579

<212> DNA

<213> Homo sapiens

<400> 6538

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ttcactatga ctctgcatt atcttcaaaa taaagaaaca cgccattctt tctacggtat  180
gactttcggt gtcgaatggg aaaactggct agccatatgc agaaaactga aactggaccc  240
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taaaaccata aaaaccctag aagaaaacct aggcaatacc atttaggaca taggcatggg  360
caaagactgc atgagtaaaa gcaatgcgaa caaaagccaa aattgacaaa tagggcctaa  420
ttaaactaaa gagcttttgc cagcanaaga aacttttctt cagaggggaa caggccacct  480
acaggaatgg ggagaaaatt ttgcatтта tncattttga caaangggtt aatatcccag  540
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<210> 6539

<211> 561

<212> DNA

<213> Homo sapiens

<400> 6539

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attatacagg catacgccac cagccccagc taattttgca tttttactag agacgggggt  180
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attttataac agaaggaaga agcaaaaata aaaatccagc cctactcttc atgcncagat  420
gaccggaaag gagatcattg gatactangg ataacattgg gtttctttct tgggaagtat  480

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<210> 6540

<211> 515

<212> DNA

<213> Homo sapiens

<400> 6540

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anggatctgg ttctgctgac tactggctnn aaggccccct taagttcttg cctganggcc 480
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<210> 6541

<211> 552

<212> DNA

<213> Homo sapiens

<400> 6541

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tcatatttcc ttgcttcttt gcatacctga tcattcttaa cagctttatt gatgtataac 180
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 tatcttaaan ggatcctggc ttgtctaaca cacaataaat attnaatca attgancctt 480
 catggttgct ttcaattttg tagaagaagt ccaaggcnga ctgacctcag actaattggg 540
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<210> 6542

<211> 570

<212> DNA

<213> Homo sapiens

<400> 6542

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<210> 6543

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6543

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<210> 6544

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6544

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<210> 6545

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6545

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<210> 6546

<211> 427

<212> DNA

<213> Homo sapiens

<400> 6546

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tgactgaggc aagagcgcac caccctgtcc ggctatTTTT ttttttgtat tttttgtan  180
anatgggggt ttggggtttt gccacgttgg ccaggctgct aatangtat gattttgggg  240
gcaggatgat ggaaatgttc taaaattata nagtggtggt tgttacacaa cacagtnant  300
atactagaaa ccactaaatt atatgcttta tgagaagtca attttatggt tngtgaattn  360

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tatnccaata aagccatttn taaaaaaaaag antcggcngg gacaattact aaaagtgagg 420
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<210> 6547

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6547

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gaaggtggtg ggaa 554

<210> 6548

<211> 454

<212> DNA

<213> Homo sapiens

<400> 6548

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aggattacag gcacgcacca cgacaccag ctaatttttt tatcttcttg tanagacagg 180

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<210> 6549

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6549

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 taatgggggtg tanaggtgca agccggcggc ccagtacgt tcttcaccta ngtagtcct 480
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 gnaaaaaacct n 551

<210> 6550

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6550

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cggcagcagc tctcgaatga agccataagt gtcccttcgt ggccgccgaa tcgcgggtca 480
ctggaaggtc aatcccgggc cgntgccacc tttcccgggc aggccanggg ccaacaggaa 540
gtggtgaaag g 551

<210> 6551

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6551

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tgtgccacca cgcccagcta atttttgcat ttccagtaga gatagggttt caccatgttg 180
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aaaactgggt aaatatgatt cctgaacaaa atcatagaaa cttttattta ggagaagaat 420
gactttatat gcgaaaagta gcattaaatc taatcttctt tccttttagag cccttctatg 480
gtctcaance cttttenttt atccacattt cttaagagcn tagttcatac ccatnggctt 540
ttaatttct t 551

<210> 6552

<211> 552

<212> DNA

<213> Homo sapiens

<400> 6552

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ggattacagg caccatcac cacaccagc tagttttttg tacttttagt agagatggag 180
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aaagcaatcc tgagcaaaaa cgacaaagct ggaggtatca cactacctga cttagaaata 420
tattaaaagg ctatagaaac ccaaacagc atggnattgg tataaaaact aacacattga 480
tcaatgggac caaatngata atccaaaaat taatcncat attacagcca ctgattttga 540
caaaggcncc aa 552
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<210> 6553

<211> 410

<212> DNA

<213> Homo sapiens

<400> 6553

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tacaaagggt ttctacaaat caataagaaa atacaaataa cctatatata tcagaacaga 120
aactcaattc aattatctta aacaagaaag ggactttatt ggctcacaaa actttaaggt 180
ccggaggtag ggcaggcttt aggcacagct ggatctaggg cctccagaaa aatgacatca 240
gaacttagtt ctctttccat ttctgctagc atccgagttt ctcctcagac agactctctc 300
cacatggcac aaattcaggc ttacatggtc cttggttcct gggatctcca taaagccttc 360
tttccagtag ttccagcana agttctgtta nngncttnc cttanccngg 410
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<210> 6554

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6554

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actccaagcc tgggcaagat cctgtctgta taaaatttaa aaaattagcc gggcatggga  120
agctgcagtt agtcatgatt acaccactgc actctagcct gggacataga gtgagacctt  180
atctcaaaaa agaacctatt tatgtttatt aatatgcaac tgttttaatt actaaatgcc  240
cattatgtag ccataaaaaa ttagaatatg ctttatgctg tactggagca aattcgcaag  300
tactataatg acattttggg gtggggatag gacagtaagg tataaaaatg gggttatatgg  360
taaacataac ccataaatgt taataaaaaa taaatgatta tttgggtaaa cataaaacaa  420
aacacaaata caaaacctaa aaagagggag actatgtgat atggntggct gngcttccac  480
cccaaactta tcatgcatgg aagtctcata accctatggg gcatggagga acccntggga  540
ggt                                                                    543

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<210> 6555

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6555

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aaatccactg gcttgaaatt cttgctgcca gcacagcagt ctgaagtcga cctgggactc  180
ccaagcttgg tgtggggaga agcgtccacc attactgagg cttgagtagg tggttttccc  240
ctcacagtat aaacaaagct tctgggaagt tcgaattggg cagagcccac cacagctctg  300

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caaagctgcc atagccagac tgcctctcta gattcctcct ctctggacag ggcatctctg 360
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 gangacctgg cggaagaagc cgcttgtggg tgcaacttta gcagacgtaa atggtinctg 480
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 canctgcttc 550

<210> 6556

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6556

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 ccatatgagc cacttctcag ccaccatgtc ttcaaattca tcgacattga acttggtgaa 180
 gccccatttc tttgagaagt ggatcgtctg gcagccagag aacttgaact tggccctgtg 240
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 gccaatgtga cccctgacca cagtgccttg gggttttcca aaggcacctc gcatgcctgt 360
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 ttatcaaggt cccttagagc aacctatnga ggaaacaggc ttcatacacc accaaggaac 480
 tgctggttgc aanccttggc cactgggncc ccataaggaa aggaactcaa tcccttnaat 540
 ggctgnagag 550

<210> 6557

<211> 560

<212> DNA

<213> Homo sapiens

<400> 6557

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 agaattctga gggcagttct tccatgattt ttcttagcca tttctgttgg gatgtatttt 180
 tttcttgtga gattgtcctt ttctcttcca catcctaggg tttcttttat ccaccgtgct 240
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 cctggagtgt cctcgtaacc tttttctttt cccggtttgt tatctttgag cttttgattt 360
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 gtcaagttct gagtcacaag cgctttctct gaagtcccaa gccatagcca tgggtcatta 480
 ggangctttc tgnccacatc atggttcntt tggggggctt ggtccctcta agggcangaa 540
 gtccttggct catgccttaa 560

<210> 6558

<211> 530

<212> DNA

<213> Homo sapiens

<400> 6558

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 aacctccacc tcccaggctc aagtgattct cctgcctcag cctcccaggt agctgggatt 120
 acagacgtgc gccactatgc ctggctaatt tttatatatt tagtanagat ggggtttcat 180
 tttgtcatgt tggccaggct ggtcttgaac ttctgatctc aagtaatccg cccgcctcgg 240
 cctcgcaaag tgctggaatt acagacatga gccactgcac ccggcccatt tggatctttt 300
 tttcctaaaa ctttattttt cactttttat tcattctcagt gtaacttcat tatgtattct 360
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 ctgccatgga tcgagggttt ttctgnaaaa tcctaaaatc tgggagaatc ttctattaaa 480
 gncccttntc tataccnctt aacctntggg aangggctcc nttacctggg 530

<210> 6559

<211> 529

<212> DNA

<213> Homo sapiens

<400> 6559

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acaggcacac gccaccaggc cagggttaatt ttgtatttt tggtagagac agtgttttgt  180
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caaagtgctg gctgggatta caggcatgag ccaccatgcc tggccttaat ttgtattttt  300
aactattcat ttgacctctt ccatccttga atacatgaaa ttttagaaga cagtgtctac  360
ttaactgata cagcactctt taatagtcta tctacaagtt tatgttaaac tgtgtttctt  420
caacaatgaa actgatttta ttttggtcga agtcaaaaca ctnaaataaa ttcttcatca  480
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<210> 6560

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6560

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ccgagtagct gggactacag gcgtgtgcca ctacacctgg cttttttttt taaattagag  180
acagggtttc accatttttg ccagtctggt ctigaactcc tgaactcaga tgatctgcct  240
gcctcagcct cccaaagtgt taggattata ggcgtgagcc accgtgcctg acctatatta  300
agacttttta taccagaaa cattatgcca ttacgttgaa tatcacggtt ctgtctttca  360
agaagaaatt aagtcttcct tcaaccccat aagacaggat tgaaaaaaaa attagttttc  420
ttcaaaaagg attattaaat ttatttctca aaggttatta ttaaatttgg tcctcaaact  480
gnggggtctg tataatggcc aganggtatt ttactctatt tgcatgtcaa aacggttang  540

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gtannnccaa

550

<210> 6561

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6561

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 ccagtttggt ttttaattta gaatttgccg tggaccaaca ggcagtcgta ttctccacaa 180
 ctagtgcaca gctcatgctg catgtcatcc acctcttttt tctccctcaa ctccctctct 240
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 ctaaagcatc accaccatct gtccatttcc cacactagga gatacctctg tattacgcag 360
 tcccatggca gaagcttctg gaggaggaaa cagatttccc ttgcccttc agttgaagaa 420
 tgaacatcag gaccagagct ttgacttgcc aatgactagg gtggcctggt ctaatggaaa 480
 ctgagagcct ttatttctcg gctctgnttg cnaagctttg tcaaacccaa natgctntgc 540
 aggtnggac 549

<210> 6562

<211> 526

<212> DNA

<213> Homo sapiens

<400> 6562

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 tggttgacc ttctttcctt tggagcaatc ttcctgtgtg gggaggaaga aactggcaaa 180
 accaccaag cttagttaac ttcccaagta accactaggc tcaaagaaat ttcacctgtc 240

ccagccctgt caaacagggg actacacact gctcctctgt cattccctct ctgtgtcctg 300
 ctgctactat cttcctcact ccttaggaaa gcacaggctg aacaggaaaa ttcttattaa 360
 gatacccaac aaggaggcta ccaatgagaa ggaataaaat gccactcttg gaggcacccc 420

 tatctctctg aatgaacctg tttagtgca gcatacactc atacngaaga aaaggaactg 480
 gctcgcanaa taagccctnc caattncnca aggcccaaan cggggc 526

<210> 6563

<211> 531

<212> DNA

<213> Homo sapiens

<400> 6563

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 cctgggcttc agggggccac tttagtgccc aagatggcat ccaggacacc cccaagtgc 180
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 cggcacagga cgtacagntt caacgcttgg gaagggggtc cctgaaaaaa gtcacctgct 480
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<210> 6564

<211> 411

<212> DNA

<213> Homo sapiens

<400> 6564

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ttactgcatn taacaaaaca atgccttcaa ttaaaggggg aaagtgagtt tttaaacatt	120
aggggttaat ttagaagaaa atacagtata taataatctc aacatcatgt ttagggtaaa	180
aatgctataa tgtgaaaaaa gtccctaaga actggacaga acctacctaa caacaccatt	240
taccgtgtat gttttcaata gacaaaacat attttgtacc aaattccaac agtggtaatt	300
ctatagttgt ggccctttta aaaatggcag cattgtactt gaatcagaaa gcttactggg	360
atttcctcat cgaaagtaga gattgcngnt aatcctagnn ccttnngnta g	411

<210> 6565

<211> 552

<212> DNA

<213> Homo sapiens

<400> 6565

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cccgagtagt tgggattata ggagcgcac accacaccct actaatTTTT gtatttttag	180
tacagactag gttttgccgt gaaggctggg ctggtctcga actcctgtcg tcaagtgatc	240
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taatgatcat cttaatctca ttcttgatat caagaggaaa gttttcaata cttcactatt	360
acgtaatatt ggctgtggag tgttctgttg ataacctttg gacagattaa aggaagtcta	420
ttctattcct cctttgccaa aagttttttt aatcattata gngctnaaat ttatcaaaat	480
ggtgctgcac ttactttaat cnggtaaagg gttactttta cagaggttta ccttaattgg	540
gaaacaantt gc	552

<210> 6566

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6566

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tggtnatgg ggtcatctct aaggaggctt ggtgaattgg aaggggctga cctnaccttc	480
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gaaa	544

<210> 6567

<211> 515

<212> DNA

<213> Homo sapiens

<400> 6567

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tacaggcgcc tggctaattt tttgtatttt tagtagagac ggggtttcac tgtgttagcc	180
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aatctgggng ngnatatgga tatttaaaac cagcngaact tgnctttgca aaatttgaaa	480
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<210> 6568

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6568

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ggaccttggg gcceng 556

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<210> 6569

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6569

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caggaatgta gatcagatat catgatcaga tntcatggca ngggttggag ggagaaactc 480
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 gttt 544

<210> 6570

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6570

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 aagataaaaa taaaaagaaa aacnnaaaga aaacttcatt tgctcttccct cggtcaccaa 480
 aataaaactc aaattccta nctggcttgg cataccaggc ccctttataa ctaactttaa 540
 cctatctntn c 551

<210> 6571

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6571

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agctctgacc cgtagcggct gtggcacttg gggcatatga agcatcactt ttgacttccc 180
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 ggaagaaaaa caagcaaat ctaaagcaag taactttatt atcattcctt taaaaagaac 480
 cnagggaaaa tccccaccta tgtgaacacc aacnggttg gggttaagga ggtaaccaan 540
 gggccccctt t 551

<210> 6572

<211> 538

<212> DNA

<213> Homo sapiens

<400> 6572

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<210> 6573

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6573

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<210> 6574

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6574

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tccacagtca ttagttctcc ttttctacac aaaacagcaa taaattaaat cacattatat	240
gcaaatagtt agttgtacat tagaacaata aacagtatgt aacgtgtgca gcttttactt	300
ttacttttct accagactca tgatagattt gtactgtttg gtagtcctgt atttaaataca	360
acaatgaata atgtgacca gaagacaggg gtcacagaat tggctgtgca caaggtctat	420
cccatgtcct cttggtttca attatccacc atgcacaggg acaaagctc agattcccag	480
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<210> 6575

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6575

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cgggaggcgg aggttgcagt gagccaagat cgcgccatcg cactccagcc tgggtgacag 300
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agggtttctt ttgtgaggg gctgtcctgc gcactgtggg atgttcaaca gcaccctgcc 480
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<210> 6576

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6576

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gggtgggaag ggaaacaaga gtcaaattgt gtaaggtttg taggccacat aatgacttta 180
cattttatac tggtatgaga atgggaagct gggtttgag caagggtgga acttggtatg 240
atttatattt ttatcagatc actctggctg tgctgtagag aactgattgt aggagaccaa 300

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tagtgaaagg agggagacta gtttagaggc ttattacagt tagcaggtag aggttgcagt	360
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agaagtacag ctgacaggac ttcttgatga actaggtgta aagtatgang gaaagagaag	480
tccagaatga ctncaagngg ctggctgtac tgtggaangg agatgaatat tntagcccct	540
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<210> 6577

<211> 532

<212> DNA

<213> Homo sapiens

<400> 6577

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tgcagccagc tttccaattt accctattta cccttagggg atgaaagtct gagttactcc	180
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gtagtagtat tctatgggtg ttttgaagtt ccctaatac taatgaagtt gagcaccttt	300
tcttatgttt actgattatt taggtatcct ctattgtgaa tgtctgttca agtctttctc	360
ccattttcct actgggaaat ctgatttttt ggtttttttg gtttttttga gacggcgtct	420
tgctctgnca ctcantcagg ctggagtgca atgggccgat ctcggnctcg tgcaactctg	480
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<210> 6578

<211> 563

<212> DNA

<213> Homo sapiens

<400> 6578

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 taacacattt actacagcac aggaaccaat gaaggtagag tgtacaaaaa actgtaaaca 180
 cggcacaata aatagataaa acagcagggt cgcaccatg cacatgatgt gatgacactt 240

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 aaaaattgaa gcatgagaga tgagcattgc tgtcaagtcc ccacagctgc cacagaaacg 360
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 aaggccccca ggcttnagtt tcactcggan ggaagctncc gtaccttcat tggttctggg 480
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 ttccnaggat gaaaatgggc ctt 563

<210> 6579

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6579

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 ttctggctca ttctttgctt cctcatcatc agattcaact tgggcaaaca tggttttggg 180
 ctgagtcttg gaatatgctg ganaaaccca atatgggctg tcttctgctg ctttggcatg 240
 acncaaaaang gnttcccgag gattactgtc atcggtcttg tccaaagcaa tgttcttcac 300
 aatataggaa gagagagtgc ccccggtgggt tccaactcgg ccaccacgac ctgggcctgc 360
 tacaggaggt tcaggtttat gcgacttcag gggaaccag tctgnccttn ttcagctggg 420
 tccttggact ccgttggcng gggcttacgg acatagcaag gcttgagggt gangaatgaa 480
 nccctggagt taaagcctaa ctgtgtttgg ctttccgtng gttttaaccn cccataaatt 540
 tggctcccct ttggacttt 559

<210> 6580

<211> 491

<212> DNA

<213> Homo sapiens

<400> 6580

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atgagtccac ttcaagtccc atgagaaaga gcatgtctct aaagaaaaac aaacaaaacc 180
aaagcaaaat aaaaagagag gcctaaaggc cttggtgccc cattgtgttg gaattcatca 240
tattccatct tgactttttt gcttccagtc agccagcaga ctaaattttt gtgcttgttt 300
atgctgaaat tgattcaatc ctgactcaag ttcacttttg gacacagatc atattctgcc 360
tgttggatgc aaaagatgaa aatcctctta acttccaagt cttgntcga ctncctncca 420
ntncccacc cttatcaaaa tcaggatcnc caattaaaaa aaaaaaattn gaaattggga 480
aaaggggaaa a 491

<210> 6581

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6581

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aggactacag gcatgtggca tcacacctgg ctaatttttt tttaatttta tttttgtaga 180
gacaggctct tgttatgttg tccaggctct ctactttttt ctcttttttt tccccccac 240
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gagatgggat ttcgccatgt tgatccacct gcctcagctt ccaaagtgt aggattacaa 480
gcataagcca cacaccctgn ctctttcatg gatcttctaa ntaccctaa cagtnccaat 540

nttaaagagg gtttttgg

558

<210> 6582

<211> 572

<212> DNA

<213> Homo sapiens

<400> 6582

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tactttaagt tccttaataa gatagttttg tacaattatt tttgtagcct ctccaaaagt	180
gacaagtcac tgacatgtaa aaaagtagtt aatatacgct ctccagagtc atacgcatga	240
gattctctta agatccgttt gttctgcata atattaaaaa ttacgtatca aatccagaaa	300
atgaagagga catattagat tctgaaatag taaattcctt ttagttccca actcagatca	360
aatctgagca ggacataaaa aatacaatga aaagttaa aaggctctat taatgattaa	420
aagggtncat agtcccagta tgaattctaa gttggtaaat ctggccactt tanggaaggg	480
aaatagttcc taaaaacca accnttaac cgaccagggc caggttttca aaccaaagt	540
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<210> 6583

<211> 523

<212> DNA

<213> Homo sapiens

<400> 6583

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gattacaggc atgcgccacc acacctggct aatttttgta ttttagtag agatgggggt	180
tcaccatggt ggctaggctg gtctcgaact tctgacctca agtgatccag ctgccttggt	240

ctccaaagtg ctgggattac aggtgtcagc caccacaccc agcccatcc atactttcta 300
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 ggctgntggc tgggataaan tttataagg taggctcaag cttcttgaaa ggaactgggt 420
 taaagggcat gaaggcactt ntggngaagt aaccagaaa anggattana agacctnggn 480
 aaaggtttcc atactcctta cagaacttga ccngaccgag aac 523

<210> 6584

<211> 480

<212> DNA

<213> Homo sapiens

<400> 6584

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 tctgtacatc agtttcctta tccataaaat gggaataata atatctcata gaggttgttt 180
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 gttaatccaa tttgatttga tttttaggt ggtgtgagg taagggttcg atttcctct 360
 tttgcatatg gatattcaat tttccaaaca ccatttattg aagacactgg ctttcctac 420
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<210> 6585

<211> 560

<212> DNA

<213> Homo sapiens

<400> 6585

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atatacactt cataaaaaata gaatacatct tggcaattgc ttagagtcta ttaccaccat 180
 gtacagtgtg ttgacgtgta atatttatgt taatttgaac acatgagatt tttaaaaaac 240
 caaacctgtc ccactggtat ctttaaaaat tgctttcatt gacaggaaaa taaacaaaat 300

tctggaaccg taaaagttat gaagctaact ggatgaaagt ttatattaaa atttttaaag 360
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 agnggtcagc tgatctcaca aaatcactga aaataatatc ctggtctgaa ngccaatca 480
 ngataagccc catnnggat caaacaagcc ttttagnact ggnccatatt tggaaaanga 540
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<210> 6586

<211> 509

<212> DNA

<213> Homo sapiens

<400> 6586

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 aatacatgtg gtcttatctt tggccaaaat gttgtcatgc agtataccat tttagataca 180
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 gccaaatca caccactgg actccaatct ggggcaacag aancgagact ccgnntaaaa 480
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<210> 6587

<211> 575

<212> DNA

<213> Homo sapiens

<400> 6587

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cgccgctctg gctctcactt cccacttccc cagggcctgg ctcaatattt ttttaaaagt	180
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aaaaaacaat taccactta aaaacacaga gatgcaagt aatcctttgc cataacaatg	300
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caagtatccc aactcatatt aaatttcccc atattctcca tattttaaaa gcactggggt	420
aancatgggt gatgcccttt aagaattccg naccaaaagg attttcaat tccaatggca	480
tggactttca tcggtaattt tnaatgggcc aatnttaaag gtcacattaa cccgacaaag	540
cattttaact tctganttgc anggncgctt. gggt	575

<210> 6588

<211> 581

<212> DNA.

<213> Homo sapiens

<400> 6588

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ctagcaaata gaaagtgtta ctggaatcat ttagtgtgaa atcttacagc acccactcta	180
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gcagaaagtt tacctttcan gtagctaca gcctnttcca ctgaccang aaggaaagcc	420
ccgctttcac gtcttttaaa agtaaccaa tcggcttggc ttgccngga agtccttntt	480
aaggctttaa caaanccttc aacttgcttg nggaaccang gccccagcc cataagcttg	540
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<210> 6589

<211> 394

<212> DNA

<213> Homo sapiens

<400> 6589

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tttcaggctc gtgggggttc aggcacagac accaccaatc tgaaccaggg gactgcagga  180
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<210> 6590

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6590

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tacaggcacc caccagcacg cccagctact ttttgtatit ttagtacaga tggngtttca  180
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tacactggtt tagaagattt tgagttcatg accgattttt aaaattggga acatttaaca  480
    
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taaaaatnca tatggttnaa gtttacaaa actcanagga ttggcccaag tggncaccagg 540
ggactggact naaaaatgg 559

<210> 6591

<211> 565

<212> DNA

<213> Homo sapiens

<400> 6591

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gaaggcaang ggaancangg cccct 565

<210> 6592

<211> 575

<212> DNA

<213> Homo sapiens

<400> 6592

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gcctggcgtc attatcattt taacattgct gctgtatntt cccttgtagg gacaaataat 180

atgactatTTt tccacTcct tgctccaaat catcagcata aatagcaaac tattcaagga 240
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 aatttctncc tggTTTTggt tgacatgggc ttacatgaac cccaaggagc cacttttcag 480
 gccagaagac ngatgatcaa gggcttntaa ccagganaag cttttttcca agggtnccaa 540
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<210> 6593

<211> 481

<212> DNA

<213> Homo sapiens

<400> 6593

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 cattcatgaa gctgcaatgn ataattgnct tgagataaca ttggatgtta atactacagc 360
 aaattttgcc atgtanacca cacatttatt aaaagggatc tcattcttta gnattctccc 420
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<210> 6594

<211> 575

<212> DNA

<213> Homo sapiens

<400> 6594

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agaccacagg cacattccac cagctgacaa aaattagccg ggcgtggtgg cgggcacctg	180
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gagatgggat ctcacttttg tgcccacctg ggctnaaact cctgggcttc aagngggcct	480
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<210> 6595

<211> 514

<212> DNA

<213> Homo sapiens

<400> 6595

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cagaaaaatc tcaattctat tagaatttat tccttcagca aatatttatt gggcacctac	360
tgngtgtcag gcactgtact ggggtgctggg gtagaatcat gatgaattg gataggaaca	420
gttacgacct tcatggagtt tcattacaat ttaantagnt canccggntt ctggagacct	480
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<210> 6596

<211> 542

<212> DNA

<213> Homo sapiens

<400> 6596

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gatcatcctg tctcagcctc ctgagcagct gcaatgacag gtgcacgcca ccgcatctgg 180
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taagccaccg caccggcct agatgttggt gtttagaaat gcccccccag accgggcgcg 360
gtggctcaca aggtcaggag attgagacca ttctggccaa catgggcgaa accccatctc 420
tactaaaaat gcaaaaatta gctgggcgcg gtggcacntg cctgtaatcc caagntactc 480
ggaagcttag gcngganaat cgntcgacca gggagtcana agttgcaatg aacctgaaat 540
gn 542

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<210> 6597

<211> 568

<212> DNA

<213> Homo sapiens

<400> 6597

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tccaaattaa agctgggtgt gcctaacatt cttttcagtt tctttgactt caaatgctg 420

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aaccacatca acatgtttga aaccatgcac tattatTTTT tggataaaat ggTcagacaa 480
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<210> 6598

<211> 531

<212> DNA

<213> Homo sapiens

<400> 6598

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 aagaagcaaa gtagccatga tgcacctgng cttcaaagcc attcattcat tcattcattc 420
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<210> 6599

<211> 530

<212> DNA

<213> Homo sapiens

<400> 6599

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<211> 529

<212> DNA

<213> Homo sapiens

<400> 6600

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<210> 6601

<211> 528

<212> DNA

<213> Homo sapiens

<400> 6601

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ggggggnttt ctatctctga aactatgcaa gttaggaaac cccttggaatn aaaagctncc 480
aatcncaatt cttaccact ggtttactac cttttaaga ataaactt 528

<210> 6602

<211> 528

<212> DNA

<213> Homo sapiens

<400> 6602

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anggtcttca ccatggtgtg gctgccctgg ggagacactg cttnaaagcc ctggcttggg 480
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<210> 6603

<211> 527

<212> DNA

<213> Homo sapiens

<400> 6603

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cccaggtagc	tgggactaca	ggtgcccacc	accacccccg	gctaattttt	tgtattttta	180
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ggacttgctc	aagatctcta	agctagttag	aggcagacag	aggcaaatta	gagagaaaat	420
ctcaagtagt	tttctcttaa	ctttttgctt	ttcctaacaa	ccaatgctca	ataagaggaa	480
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<210> 6604

<211> 525

<212> DNA

<213> Homo sapiens

<400> 6604

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ctatatctaa	aactttgact	taaagttaac	caactatttc	tcaaatecct	aaaataattt	360
tcgtggataa	tttttcaata	gccttataag	gcatacaagc	ataactggct	acaaaaaagt	420
gtatatgtaa	aggagagtaa	tggccttgct	taattaaaaat	gnaaaacttt	agcatcttaa	480
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<210> 6605

<211> 499

<212> DNA

<213> Homo sapiens

<400> 6605

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acaggcgacc tccaccacac ctggctaatt ttttgtatgt ttagtacaga cagagtttca  180
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<210> 6606

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6606

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ctctagtgtc catgcttctc aaccattatg acccaatatt caaccaaac aatactgaag  360
gacacgtgaa atgtatcgg tattttacta ttacaaacaa aaatccaatg aacattcttg  420
    
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aagacatacn caaaaataat ggntcaatag aagttactgg aattgnaatt ttgggtcaac 480
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<210> 6607

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6607

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tctataaatt ggggtgtgcag caaggacaca gcaaaaacaa aacagatata ctttactccc 180
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aaagtctgcc gattagttat ctatcaagaa ctttaaggaaa aaatgcccc attgccaac 360
atgaataact aatttggatt caacatggac actttacata aacttttata cttggtatta 420
gagatTTTTT ttcttgggct ccatacagat tctaaatgct gacttccaca ttacaaaag 480
cagcagacat tatttttnc tggagaaaag ggctcaatat antggccagc ttggctcant 540
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<210> 6608

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6608

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caaacacaag catgtgccac catgcccagc taatTTTTTT taaaatTTTT tgttgagatg 180
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atcttttgca acttttagtt cttcaaactt aatTTTTaat tacagttatt aatacccttt 360
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ttatcttata atttctctt aacagccctt ggganaagca ggTTTTgctt ggtgaagcca 480
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cgatt 545

<210> 6609

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6609

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<210> 6610

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6610

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<210> 6611

<211> 540

<212> DNA

<213> Homo sapiens

<400> 6611

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tggcagaatt gagtcgttgc atcggagacc acgtggccac acaggctaaa atatttacca	480
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<210> 6612

<211> 535

<212> DNA

<213> Homo sapiens

<400> 6612

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gatcttggct tactgnaatc tccgccttct gggttcaagc gcttttctgg ctaaccttct   480
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<210> 6613

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6613

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tctcccacgc cccatagacc cggcaccgtg taataactgg gcccggtgcc tnacctgaaa   420

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actgggggtc acacggcctg tctgaaaaac cctgatgtga taaacaccnc agagcancat 480
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<210> 6614

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6614

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<210> 6615

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6615

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<210> 6616

<211> 501

<212> DNA

<213> Homo sapiens

<400> 6616

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<210> 6617

<211> 507

<212> DNA

<213> Homo sapiens

<400> 6617

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<210> 6618

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6618

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<210> 6619

<211> 322

<212> DNA

<213> Homo sapiens

<400> 6619

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ctctgtcact cagtctggag tgcagtgaca tgatcatggc tctactgcagc ctcaacctca 240
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<210> 6620

<211> 546

<212> DNA

<213> Homo sapiens

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ccctcgtcta gccctgggcc cctgtcccca aggccagctc gctgagcctg cgctcctcct 180
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cataagttct ttttgctggt ctgggggaact gnttttggcg ccttaanggc agttcaagtt 480
taacgccctt gggcttanct tccnaaggn agcctcaatc taattaancc cccttggang 540
gctggg 546

<210> 6621

<211> 487

<212> DNA

<213> Homo sapiens

<400> 6621

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agttgagacg gggtttcacc atgttggtca ggctgggtctc aaactcctga ccttaggtga   60
tccaccgccg tggcctctc aaagtgctgg gattacaggc atgagccacc acacctggcc  120
tcaagactta ctttaaatta aaataacagg agagaattat agaatgacaa tcaccaagga  180
ttctaaaagt ctacataacc ataagcacia ttgttcacag agcatctaga cccgatctca  240
gtaagaaaca atgaaagcac tgacttggca ccaacacgag actgaaaaac cagaccacag  300
gcttctctta aacatcaaca tggccttggg agtgggcagt ggaggacgc ggaaaattta  360
tagcctccta aaaagatccc gtctgctttc ttaaattctt cacctcgctt atttccttan  420
tgctngctc atcaaaaagc ncaaattaaa tctantcag ggcatccagg tttagaaaaa  480
ntntntg                                         487
    
```

<210> 6622

<211> 494

<212> DNA

<213> Homo sapiens

<400> 6622

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gctgntgtta ctggggaact tnttgcata naatatgtgc atatatgaat ctccagtncc   60
aagcatacnc caaaaatggg tncatttcan atgaaggaca taacanagcc ctaataaaat  120
acanaattga gcttaattta atttaactgn cttgggcaac catcatgcct ggctaatatg  180
ccatattatt tccgttgnac acagtacatg tttnggttta ctaaacttg atcaaaattg  240
atcgaaatct ctaagttttg gttaccatgt ncagagaaca attgctcanc atggcattta  300
aataaaacag taatatttta aaaattcaca aatccaatgc acaatttatt ttaaaaaaat  360
    
```

aaaatttaaa aaccttgagg gatgggatga aggctttggg naattaacct gaaaaacnaa 420
actnacccaaa aacttccaga accaggttgg ttcnnggatt atacntttaa acncttttaa 480
agnggactcc tggc 494

<210> 6623

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6623

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ctcagcctcc caaagtgtg ggattacaag tgttggtgcc gtgagctgcg cccagccaac 180
tactgtgact tctaaaaggt gaattattata aaattctagc ttaaccaatt tccctccgct 240
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tttgagacgg agtctggctc tgtctccagg ggnggagtgc agtggcgcaa tctcagctca 360
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ttacagacat gtgccaccac gcccaagtta ttttttgat ttttaagtaa agacnngggt 480
ttaaccatgt cggccaaggg tgggcttnaa cttctgganc cttgnaatcc ccnncctttt 540
ggaagg 546

<210> 6624

<211> 505

<212> DNA

<213> Homo sapiens

<400> 6624

gagatggagt ttactcttg ttgcccaggc tggagtgtag tggcatgac tcagcttact 60
gcaagctcca cttctgggt tcaagcgggt ctctgcctg agcttcctga gtaactggga 120

ttacaggtgc ctgccaccac acccagctaa tttatgtgtt tttagtagag atggagtttc	180
accatattga ccaggctggt cttgaactcc ggacctcgtg atctgccagt ctcagcctcc	240
ctcccaaagt gctgggatta caggcatgag ccaccacacc cttttttttt tttttttttt	300
ftaaaggagc taagttttctc ctgtatctta aacagagagg cttcatagtg tagtcaatgc	360
tcatcattga ctcaattcta gggtagcaat ggtgctggaa acaaaggaga tacatcaaaa	420
atnctaccta gcagaaaact nttccctatg gatgggcitt aaaacntttt aaaatacctn	480
ggnaaggcna atttgaaaaa gggca	505

<210> 6625

<211> 552

<212> DNA

<213> Homo sapiens

<400> 6625

aatagcagtt gtccagtgga attatgtgtt tatttgtgtg attaggattc tctctctctc	60
tttcattctt attctctgat ggtgggggcc atgttttcag tcaccctat atatccatag	120
tacaacaaca tgtcccccac aaaagactaa ttaaaagaaa aagaaactca actatgtatg	180
tgtgttcctc tacgtatatg catagggaaa atgtaaaaac tagaataagt atccatttgg	240
taagattaac agggatgctt tattttcttc tttttgcttc tgggttttca aaactttata	300
aacggttatt ctgtaatcat gcaaaaattc aattaaaaat agatacacgt tataacggat	360
tgaatttgtt tccccaaaac ggtgtgtcga agtcctacct ccagtaacct gtgaatgttg	420
ccctcttaag aaaaagagtc tttagcagatg taattaagat gtaagttata cagattaggg	480
tggccctaaa tccaatcact agtatcctta aggaaaanct tngagaccgg cacaccccg	540
aaggacccag cc	552

<210> 6626

<211> 548

<212> DNA

<213> Homo sapiens

<400> 6626

gagacagagt ctcaatctgt tgcccaggct ggagtgcagt ggagcgatct cagctcactg	60
taacctccac ctcttgggtt caagtgattc tctacctca gcctcctgag tagctgggat	120
tacaggcgtg caccaccaca cccggctaatt ttttgtatit ttagtagaga cgggggtttca	180
ccatgttggc caggctggtc ttgaactctt gacctcgtga tccacctgcc ttggactccc	240
aaagtggaga aatatitit ataatgaaga caagactcat gcaaatatca gatggaaatg	300
taccaaagat tttattttaac tcaagaaata gtcatatgtt acatttgatt caaaggaaaa	360
atcccataga taaatagaca atagacagat aaatgataga cagattaaga tggatggatg	420
gatggatgga tggatggacg gatggatgga tggatgaata gggtaataa gggaatgctg	480
gtgctgaaat ggattaccaa atntngccaa atgggtggant nctggatgaa gcttcaaggc	540
attccctn	548

<210> 6627

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6627

ccaagaaatc ttaatttctt tattgtttga ctttttgact caacaatttt tttaaaactt	60
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cactcgacct aaaatttggt tggcatatcg aaaaggagac caaggaggga ggggctgggg	180
cgtgggaggt ggggaggagg cccgaatgga cagaaagttg aggataagag aagaggaaca	240
tagagacagc cagaaagaca tggggaaaga gtgttgagga cagagaaagg ggaaggcaag	300
ggaaagccaa aagaaaccaa aatccagaga aaaagaatta acaagattta ggagcaaacg	360
agttcaggag cctaaggaag ggagtaggag aggaaaccaa gacccttctc tgtaccgtcc	420
cagctggggt ggggccgtca aggcaccagg tctggntagg ttggggggac acctgggctc	480
tggggccggt ttgactgga cttgcatgat gtccagccca cangggggcc ctgcacacag	540
tttttn	546

<210> 6628

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6628

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gagatggagt cttgctctgt caccaggct ggagtgcagt ggcgtgatct cagctcacca   60
caacctccgc ctctggggtt caagcgattc tctgcctca gcctcctgag tagctgggat  120
tacagggtgtg tgccaccaca cccaactaat ttttgtatit ttagtggaga cggggtttca  180
ccatgttgggt caggctggtc ttgaactcct gacctcatga tctgcccgcc tggcctctc  240
aaaatgctgg aattacaggc gtgagccact gcgccaggcc gtatttacca ttttcaaaaa  300
cttgagcat atcctactct actcaaaaca gtaagcccat aaactgttta ttgagtttta  360
aaatgtttgg aaagtatcta tacttatttt ttacggagta atgctatcta ttcatagtat  420
tactggctca gggaagattc tgcctagaat caatatatca caaagcaacc caggagcagg  480
atgaacctaa gggagaaata tggctggggt tctnctgggg aggaaatgac tgganaattt  540
taaa                                          544
    
```

<210> 6629

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6629

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aacttgaaca gggaaagttt aatatagaga attactggct ttaacagtga actggaataa   60
tgagggttc actggtaaaa tgcttctgaa ttgactggaa atccatttgg ggtgctgggg  120
aacgttattc ccagagaggt gcctcagtgg aggcgctgtg tctcctacgc aacttctgag  180
ggctggaggg tgccaagggc agctgctgac cgcctggtgc ttcaggagct ggggtgctggg  240
gaagccacat gcactgcggc gtccagaggc agaagcaca ccaacaagaa ccacgaagga  300
    
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ggcgcctttc ctccataat gcctgtttgg tgccctctac tgacaaagct tatccccctt 360
 caaaaaactg ccaactgaaa aagctgaatt tggaacataa agtcaataaa tccataacca 420
 gcaatactat ggggcctggg gtgcgctggc ctttantgag tggagtgggg ccnaaggatg 480
 cttgcatgtc ctgcaatggc acancggggc ttcaccgggg gaaaancatt cctggaaagn 540
 gtcatt 546

<210> 6630

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6630

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 aatgtacact gttaaccaag taaaaatggg atgctgaaat agttaactag ggcatatttg 120
 aagaattttg tttactttta aaagaggaaa aatcacttcc aatcttcctt tccacacatt 180
 cctaacaagc ctgcactata cctgcttaaa actgaaaata taaacaatta catgggcccc 240
 acttcattac agaatgcatt ttcctgtact cttaaaggaa gctattacat tgaagttacc 300
 ttcctttgcc aaaaactttc agacaagttt actgctcttt atattttgtg taactttgta 360
 aattatacaa gaaatatagc acacaacttg aattaatcta aaaacacata cacataaaca 420
 caggataaag tgcaacacaa caggaacatg gtctggcaac attcactttc tnaaaccccc 480
 ccgaaaggat ttcggagtaa anggaataan gtggtctcaa ggcttgacct taaatcacca 540
 gaataggtat tttcccn 558

<210> 6631

<211> 527

<212> DNA

<213> Homo sapiens

<400> 6631

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 ggtctaaaat ggtccctctg ctgaaatgct aggtgctagc cgtaattctg gctttaaaac 120
 caaaacccca aatat ttaaat aaataaaaaat tagaattagt tgccattcta ctccaaacca 180
 gctagcctag ctgaagagaa gagggaaggg ggaagaggcc agagaaagga ggaggcagtc 240
 agatcttaga cctgtcgtc cagggacagc tgaaagaagt agcactaaga aagatcatcc 300
 gagcagtc cc cagtacagcc cccacttttt ggcagaggta gggttaagggt tatgtgcacc 360
 ctctctctac cctcaattca tttgtgtcat agaggggagaa agttaaaagc tcagctttgg 420
 tttctggccc aagttanggg agcttagaaa nggtaaccct tggccagct tttggcagaa 480
 tganggccca cagatnggac aattanggca caanccttgg cnttga 527

<210> 6632

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6632

agacggagtt ttgctctttt tgcccaggct ggagtgcatt ggtgcactct cggctcactg 60
 caacctctgc ctctgtgtt caagtgttc tctgcctca gcctcccaag cagctgggat 120
 tacaggcatg caccatgccc ggctaattct gtatttttag tacagacagt gtttcactat 180
 attggtcagg ctggtcttga gctcctgacc tcaagtgtc caccgcctc ggcctcccaa 240
 agtgctgggg ttacaggcgt gagtcactgt gcccggcctc aaaaatcttt aataaagaac 300
 ttgctataat acagggaaga ggataattct gctacattgg agaaaggttt cttctcctga 360
 gacaagatgg accaagtctc tcaatccgca aaaacaatga aaaacaaaca acgatgtgtc 420
 aatacttagc attaaagaag agtaattttt ctatttttaa aagttcatta attttctggc 480
 tattaagaaga caaattctnt aaggattcaa tggattgaat atngggggaa aggaagaaat 540
 ttaan 545

<210> 6633

<211> 400

<212> DNA

<213> Homo sapiens

<400> 6633

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ctccacctcc tgtgttcaag tgattctcct gcctcagcct cccgagtagc tgggattaca 120
ggcacgtgcc accacgcccc gctaaattnt gtattttcag tggagatggg gtttcaccat 180
gttggccagg ctaatctcga actcctgacc tcaaatagac caccgcctc ggccctcccg 240
agtgctggga ttacaggcat gaggcgaaga ccagcctggg aaacatatag agaccccatc 300
tttataaaaa atgcaaaatt ggccaaacgn ganggcacac acttgtagnc ccagctactt 360
gggaggctga ngtggnagga tcccttgaac ccannagttg 400
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<210> 6634

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6634

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ctttgagaca gggctcttgct ctctcaccta ggctggagtg cactggcaca atcacggctc 60
actgcagcct cgaactcctg ggctcaagtg atcctccac atcagcctcc tgagtagctg 120
ggactatagg cacatgccac catacccagc tgatttttgt attttttgta gagacggggg 180
tttgccatat tgtcctggct ggtctcaaac tcttgggctc aagcaatcgt ctgcctcggc 240
ctcccaaatt gcaaagatta taagcatgag ccaccgcgcc cagcctagat tcgtcattct 300
aaactgcagt tagaatcatg gtattccctc ttttaattcag tgtatcctca ttgtctgtac 360
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tctagcctta ccccttacca tttgtattac aaccctgtgc acgatccatt ctgaacaatt 480
taccaattcc ttaagtaaaa gccaaacttt ncttancttc tgaatctaga aatcctatgg 540
ccngga 546
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<210> 6635

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6635

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agaaatgcc a gacactaatt acaagactga agatttgtga ttattaaagt gataagtttc   60
cagtgcata tacatgaaat gccagcacat agctaataatc actgaccaca tggactgctg   120
gggacatgga ttcctaaatg ctatgtatgt gctcactttc actttaatgt aagttttaat   180
taaaagcctc attacttggg ctctcctgtg tatatatggc attagtgtgt attttagatc   240
atctcaaaat tggcaaaaac aattatggtt aaaaataata gtatttataa aaatttatat   300
agaacttctc cagtaaattc atcaaaaata ctctgattta tctatgcaga ttgcaggagg   360
aaatagagtg ttttgccatc ttaggactcc acctttgcct ggtactgaaa cttttaaact   420
aaccacagta aatagtcata tacaggacaa gatcagactg gatataagtg acataagtca   480
aatacttcaa aatcctttct gcatccaatc tctcagaaaa gattaatttc aaaancctgg   540
atctggctat t                                     551

```

<210> 6636

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6636

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aagggtgttac ttggctggat caattccagc atctaattta gttaagagac tttaaaaagg   60
gattatatat tggagaaaaa ggcagaaatt aaaagtgtat tttcagtcctt aatatctcac   120
ataaatgacc ttagaatttg ctatgttagt agttagttta tgtggtacat gttaaacacc   180
agtagagaaa caactatggt tgtgattaaa tcacttgact ttcctgccag agctagaatc   240
ttaactcctt taaaagacga ctctgggaaa tccagtgttt gtatgtaaaa ataaaaggta   300
agttaattct agattgaggg gcagaggcta tttcttaatc tccaatctcc ttgggaaggg   360

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aaagtattag gaggcagtaa tggagtagaa aggtggggat ggcaaataag agaaagattt 420
aatgtaacaa aactgttttg ccctcttctt aagtaaataa ttattggaat aattagtgn 480
accatcacat agtaatgn gn attttgggct tgactaagtg ggtaanggat gncitttnat 540
tcacctttct 550

<210> 6637

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6637

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tcctcccacc ttgacccctc aaggngctgg gactacaggc ttgagccact gcgcccagac 120
gaggaatccc gctcatagga gggttgttgt gctgtgagtt gtcaaagtgc tcacagggct 180
ggcgccctcag gctaccatta aagtgttgcc tcagccagta gggataattg agaggtaccc 240
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tgctcagctc gtgctccac aggtttcatg gcttctcgt acacaatgcc atgcctatct 360
gaatcacact agggctatct tctgggaaat gtgagcttta ttcaaaacag tgttttttca 420
gagcttattc tctattgaaa tagtggtata aatgggagct gngttcttag agagaccccn 480
aatggncat tagatcataa agtaatngag aaaagttaaa tacgcttggc atgaacaagt 540
n 541

<210> 6638

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6638

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gcctttgtgc cttattgtta atgaaagaca atctataaat acagaaaagg ccatatttta 120
aggatttctc attggacaag caaatatctg taacataata gagtactcga aacttaattt 180
actatcctat ttctctaata acaagtctca gatctaagag ggaaataagg aagacaggga 240
~~acaatatcaa acatgctcat caaataactc aaagcaaaca ggctaactcc agtcatttgt 300~~
taacaaattt taaggatcgt ccatatatac gtgtggcgga aagcatgtgt ccaggcaatg 360
caaacctgca agaagaggac atgccctctg aggtctgacc ctgccttcat ttccagcctc 420
agctcacatc acttttacct tcgnggtctt tgaacataca ttggcctttt ctggctctaa 480
gcttttaaac attacctagc atactcttaa cttcagcttt tcacttgcct aatccatcnt 540
acccttttgg ttca 554

<210> 6639

<211> 493

<212> DNA

<213> Homo sapiens

<400> 6639

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ntcactgcaa cctctgcctc ccaggttcaa gcaattctcc tgcctcagcc tcccaagtag 120
ctgggattac aggtgcccac gaccatgccc ggctaatttt tgnattttta gtagagatgg 180
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tggcctacca aagngctggg attacaggca tganccacca cacctggctg actttagtnc 300
tttnntatgt gatgaatcac atttattgat ttgccgtatg ctgaaccaan cttgcatccc 360
agngataaag cctacttnga ccatggtgga ttagctattc tgatnttact gctgggattt 420
gggtttgnct cnttatatct taaaggattt ctgcctttan ttanacctta tgggataact 480
gggnctaata ggt 493

<210> 6640

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6640

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ccttcataac agaagtgcgc agaatacaac ttttctaaga gagtatctaa ggaaaatggt 180
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tttcaggtga agtagaaaaa gaatgaattt agaaaattgg aggttcacgt tagaagggtg 480
tgtgttctga acaaaggaat gaatgnctgg tgaagaattt atatggggng aatccagccn 540
caaagctngg c 551
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<210> 6641

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6641

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attgtagaga cggttttgcc atcttgccca ggctagtctc aaattcctgg gctcaagtga 60
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gtatttgatt ttaaaaatca ttttccaat tgtccactgc atatatatag aaatacaatt 180
taattttgta tgttgacctt gtattcttgt gatcttgcta aattattagt tctagtagct 240
ttttgtaga ttcattagga ttttctacat acacaatcat gctatttgca aataaaataa 300
tgcttttata cagtttggga tttactgtgt ttccttaatc taaaaatggt atgtctttga 360
ttctggaaaa tgctgtgctc ttatctcttc agttattgct tttgccccat tctcttaatt 420
atcttttgct agaactctcc tctgtaacct cagcctctc aactttncct taaatttcta 480
ctttccatt ttctgggggt cctgggaata atttctagat tatcttccat ttactaatct 540
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n

541

<210> 6642

<211> 287

<212> DNA

<213> Homo sapiens

<400> 6642

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caggagggtg tagatccttt atttcctgca ccacacgcac acaggctgac aagcaatagg 60
agattgagag gtgctgtgtg aagggggggca ggtacctgca ggaggcctca gtcccagccc 120
ccagctattg aggaacaaag gtgtgggaaa gggcanaaca tggaagagga agccaggggc 180
agggaggggg ggatcaagac agaggggana ggggctgggc catggatggg agcctggaca 240
ccccaggcc actggcanaa gaaggagggt nggganaggn naccnc 287
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<210> 6643

<211> 540

<212> DNA

<213> Homo sapiens

<400> 6643

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gagacggagt ctgctctgt cgcccaggct ggagtgcagt ggcgggactc atgatccatt 60
tctttaaggg gcatctgtgt ttaaaatttt tagngataat atttcttaca tcatcatgta 120
tattcataat tgaacaatga ttcaccttta tttattcttg nttaattggt ctatcattta 180
tctattgatg atgaacctca atctattaat ccaaagtaag aatatgatct ttgcacattt 240
ctgatatcta tccaattatg ttttctgttg gacctcanag tttcagacac gtagtattca 300
tcgtccatga ctcaaagcc accagtggtc atcattggtc catgtttagt agaggtgggg 360
tttcaccatt ttggccagac tggncctgaa ctctgacct ganggggatc caccacctn 420
ggccttcaa aggctgggat tacaggcatg agccaccaac ccggncaggg agacagttct 480
naataccacc ttaaggccct ttctggtaaa ngctacatnt ggataagtct gggtgggttn 540
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<210> 6644

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6644

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gtatcaagca tattcctctc ccaaacttca taaaccacca ctatgttact caagctagaa   60
acctaactta tcatgctgga tttcttcctt ttccttattt ctgacatcaa gtcatacctaa  120
aattctgtca tttgtatctc aaaaatatat cttgtatcca ttcccttata cccatttcca  180
cacacatcac cctagataag caagcatcaa atctcaccta gagaagtcct tcacaatttc  240
tagtaagcat acaaattacc tggggatctt gttaaagtgt acattctact ttagtaggtc  300
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ttccatggat caccatttta atggaaggtc tagattacct caagagtatc tgtattgcag  420
ggccaattt catcctcctg cattctactc tncaccaagt agntagaggt gatttttaag  480
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<210> 6645

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6645

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cttttaccat attccaaaag ttctgcaacc atcaccacta cctaattcca gaatattttc  180
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cagtctctga caaccactaa tctactttct ctatatatag atgtacttgt tctgggcact  300
    
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taattcaaca aatggtcctg ggacaactaa atatccacat gtaaaagaat caagttagac 360
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 aattataaat cacttagaaa tagtaaactt ttggaatggg ggataagcca aggtttccaa 480
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 ggggtggaaag. n 551

<210> 6646

<211> 565

<212> DNA

<213> Homo sapiens

<400> 6646

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 cttttagact catctaactt ttacaggctc tttcaagtga agttcatgga gactagttat 240
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 gagattatat aaaccaaagc gtaagacac caaatagtca gaggtaaatt actaaggaga 420
 attacattca tacatggngn catagcactt atcttttana anggactttg gttaccattc 480
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 aaaatatacct tttccttttg naaag 565

<210> 6647

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6647

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 accgtgttag ccaggatggc ctcgatctcc tgacctagt atccgcctgc ctcggcctcc 240
 caaagtgcg ggattacagg catgagccac tgtgcccggc caattttaat tatttctaaa 300
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 gtttatcaca accttatttc taaagctatc ccttagcaga agaaagcctt acatatttca 420
 tctgattgat cctgatatat caggtangaa ataacagta ttatggttna attctagact 480
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 caaaaatcnt tttnt 555

<210> 6648

<211> 562

<212> DNA

<213> Homo sapiens

<400> 6648

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 tacaggcgcc tgccgccacg cctggctaatt ttttttgtat ttttagtaga gacgggggtt 180
 taccgtatta gccaggatgg tctgggtctc ctgacctgt gatccaccg cctcggcctc 240
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 tggttttaat ccctttcggg acacttatca aaaactggaa tgtgggtacc taacttnaat 480
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<210> 6649

<211> 522

<212> DNA

<213> Homo sapiens

<400> 6649

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tacaggtgcc tgccaccacg cctggctaata tttttttgc atttttagta gagacgggggt   180
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tcccaaagtg ctgggattac aggcgtgagc caccgcgccc ggccaatgtg atgtcttcat   300
tcttgtagt ggcagaatac acgagcaatg tgggacgggt ctggggaagt tggaaaagaa   360
tctctccctc atgctggagt aaaagtcnat tcccactccc aagctatcac ccaccacaca   420
actggcacca caagggcaac ggntnttgcc aagaagcnga agcanactcg nggtggnggg   480
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<210> 6650

<211> 563

<212> DNA

<213> Homo sapiens

<400> 6650

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agcactcagg cttcctctga ggaaaagaaa tgaccaaagt gcagactttt attactgcca   180
ttcctgctcc taatgggagc aggagtcaaa aggaaaaaca aattaaaagg ggctaattgag   240
aaaggaggag agatgagaca gagagtgtga agggctatgc cgctggcatc tcataaattc   300
ttattgagaa tggcacaggt attaaaagg tttctgggta gtctacgaga aatgtcaatt   360
attatctcta ctacaactac ttacatatat ctaatgggga aaagaagtgg ggcttaagt   420
tcaaatgga ttgggagacc aaanggagaa ctnccttat taaattccac caaggtggaa   480
    
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ggtacctggc ccantcctta aaaggatttg nggccaatgc ttgcactttg gtggccagga 540
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<210> 6651

<211> 519

<212> DNA

<213> Homo sapiens

<400> 6651

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tacagggtgcc caccaccatg cccggctaac tttgatcagc ctttgatgtg tcttgggact 180
gaggaagaca gaaggagtca aagattaggg taatatattg agcccaaatt actgaggaat 240
aatacttttc ttcgtaacaa cggggaaatt aacaaaggaa gctatgtttt aggttacagt 300
gggatattta aatgtaaatt atggaggag ataactgaac taaatttagg aaagagaaca 360
caactataaa ttcagacttg caagtcagcc ttatggaagt gaagtagaac aactgagtta 420
tgaggagaat gtataaatgc aggaaggac tctattgact aataaatggg gttcataatc 480
tgcacataaa tgatgagact taaaaggnaa tctgctntg 519

<210> 6652

<211> 526

<212> DNA

<213> Homo sapiens

<400> 6652

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ctcagcctca gcacttctga cattttggga ggggtaattc tttgaggctg ctttccttgt 120
gtattataat ctatttagca acatccctgg cctctacca attcatgcta ctagtatccc 180
tctaattgtg acaaccggaa atgtctctaa gaattgccaa atgcctagt aaatcatcct 240

cgctccactt ttggcaacca ctgtttcaca tgatacctgt ttttttgagg tgcttttagta 300
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 gaactcttcg ctccctaagg atgttaccta tggggaatca ggagctggaa atagaagatg 420
~~gtatacatga ttttgattat ttctccattc cttttaattt tgggacgtcc ccttaagtna 480~~
 aaccaaacca aactgttaaa atcccttaac nctaattttt tcatat 526

<210> 6653

<211> 532

<212> DNA

<213> Homo sapiens

<400> 6653

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 aaagaaccta gttttataag aaaaaggggg tgaggaggagg gaagagagaa atgcgtagac 180
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 aaatgtgtcc agtggataaa acctcagctg cagaaataga ttttagcaat atccaaagac 360
 attccagggt ccggtaggaa gaacaaaagt atggcaaaat tgaaaactac catggacttg 420
 gcagcatcca agggcatcac caggggggct ctttcatgca tgcctagagt cctgnaaact 480
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<210> 6654

<211> 348

<212> DNA

<213> Homo sapiens

<400> 6654

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 tacaggggtg tgccaccacg cccagctaan ttttgnattt tgtaaagaca gcctggccag 180
 catgngaaa ccttgtctgt actgaaaata caaaaaattg gctgggcgtg atggngcacg 240

 cctgtaatcc cagctacttg gaagggtgag gcaaaaagaat ctcttgaacc ngggagacgg 300
 atgctgcaan gancnganat cacaccactg cactgcaccn gngcgacc 348

<210> 6655

<211> 512

<212> DNA

<213> Homo sapiens

<400> 6655

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 aatgttttca agcaagaaaa gcctctttaa taaagaaaat aatgngttta cacttacctg 180
 taaccattct atctattctg tctccacttc tttaactata aaaataaatg tcatcataag 240
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 tcggtcctca caagttgaca gtgggatcaa ttactcccct ttatggatag agnaaggtaa 480
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<210> 6656

<211> 530

<212> DNA

<213> Homo sapiens

<400> 6656

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 ctctgtcaga aaatccctcac caagaagcca attcaaggaa tatgaaattg acaagccttt 180
 caaacaaga tgtgttcgga cttcactgat gcgatggtag gtcttttggg ttacaataga 240

 tagggatgat ataaaacaca atcttttctt gtctattcca ttttagaaac tgggtgggtgt 300
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 attggggatg aaatcccatt tctcttacta tggcaggact gnatgccata 530

<210> 6657

<211> 521

<212> DNA

<213> Homo sapiens

<400> 6657

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 caccatgtca gctaattttt gaatttttag tagacatggg gtttcaccac ttgaccagg 180
 ctggtctcaa aattcctgat ctcaagcaat ctgntcacct canctccaa actgctggga 240
 ttacagatgt gagacacat gccagcctc ctaacagtta tttctaaccg taaattccca 300
 caggtacctt caactcaaaa tatctcaaac tgagctcatt aacaccctct agccacagaa 360
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 accacatntg aagactatct ctctctntca ccaagactag gtaaattctta anctttttaa 480
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<210> 6658

<211> 529

<212> DNA

<213> Homo sapiens

<400> 6658

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gccgtgaacc	acatctcagc	caatcttccg	caaagaaatg	tacccaaaaa	cttttctgta	180
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ctgtgaggag	tgattttgcc	aaacttaagt	cagtagcact	cgacttatat	ctgcttttag	360
tctgcggtgg	caccacgctt	accaaggcac	agtatcccct	tgctatccct	ttccttctgn	420
gcattttttc	tttctgnatg	ccttaaccac	acttnttcac	ctggatacct	ggagcttatt	480
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<210> 6659

<211> 524

<212> DNA

<213> Homo sapiens

<400> 6659

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taaattcacg	tttctaaaag	taaagagctt	aaaggaaatc	agaaacttat	actgacaaac	180
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aacagttacc	tctcatgtaa	aacaggcacg	tatctgtaat	actttaaggg	gtgaccactg	420
atcactgggt	cacaagccct	gaaaatatgg	tttaaggccc	agancatgan	aaanggctta	480
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<210> 6660

<211> 525

<212> DNA

<213> Homo sapiens

<400> 6660

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caagtagctg ggactacagg cgtgtgccac acctggctac tttttaattt ttttttgaga  180
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tagcagggat cacangtgtg ccgccactat gccagctaa ttttgattt ttgnacaaa  480
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<210> 6661

<211> 531

<212> DNA

<213> Homo sapiens

<400> 6661

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gcctggccaa tttttctgta ttttttagtag aggcgggggtt tcaccgcgtt agccaggatg  180
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ggtgactgtg ggcttcanaa gtcaagggtc cctgtgaaat gcccaacctt ctttggttct  480

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tntaccaagt tttctgggca tggttctggn ctttttctng gccatnggaa n 531

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<212> DNA

<213> Homo sapiens

<400> 6662

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<210> 6663

<211> 528

<212> DNA

<213> Homo sapiens

<400> 6663

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<210> 6664

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6664

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<210> 6665

<211> 549

<212> DNA

<213> Homo sapiens

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 aagaaaaaaa gaaaaaaa cttagataga tagattccag ggacacaaaa ccagtgttag 420
 cataaataat gacagcccag atttatttgn acttaaaaag gnatacaggt aaatatcatg 480
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<210> 6666

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6666

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 agaccaggaa agaataataa tctgctggtg aagtcgcaga atggatttga ggtaagaaat 180
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 gaagatggcc actcaggagc cgtagattca agttgctctg attatacact ccaactacca 480
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<210> 6667

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6667

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<210> 6668

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6668

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gga 543

<210> 6669

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6669

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gagaaaaccg aaatcagaat tactgacact ttaggccagg catggtgcct caagcctgta 480
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naaa 544

<210> 6670

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6670

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ncaca	545

<210> 6671

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6671

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gaacgcagtt gttcatctat taaaacatag tctagacgat gagaaataac atcaattcca	180
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gttcattgtg tgtatcatgc atgtcagaga ctgttataag tgctttacat gtgtcaatca	300
cttggtccac ataagagtcc tgtgtggtag gtgcttttat aatctccatt atttgaagtg	360
agaaaaggta agaaacttgc tgaaggccac ttagctagtg agtggagag ctagaaaagg	420
aggtgagaga gtctgtgtca ggggcaagag ctctactgct canaggacng taaaccttta	480
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<210> 6672

<211> 529

<212> DNA

<213> Homo sapiens

<400> 6672

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tacagacatg tgccaccaca cccagctaata ttttgtatatt ttagtanaga cagggtttca	180
ccatatttgt caggctggtc ttgaactcct gacctcgtga tccgcctgcc tcggcctccc	240
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aatattaaat agagaagcat caataaatga ccaatttggt aaactatgat actgngatca	420
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<210> 6673

<211> 530

<212> DNA

<213> Homo sapiens

<400> 6673

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gaaacttcta aggccgggcg tgggtggctca tgcctgtaat cccagcactt tgggaggacg	360
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gtctctacta aaaatcnaaa aaattagcca ggaagtgggtg gtggccgcct gtagtcccag	480
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<210> 6674

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6674

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<210> 6675

<211> 548

<212> DNA

<213> Homo sapiens

<400> 6675

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aatttttact aggcttttga tatttttttc ctttttcagc tttatacaga ggattggatc 420

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tttagttttc ctttaactga taataaaaca ttgaaangga aataagttac ctgagattca 480
cagagatacc cgggatnact tccttgntca attcagnctt tancacctta aaaaccttta 540
aagccctt 548

<210> 6676

<211> 523

<212> DNA

<213> Homo sapiens

<400> 6676

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attaacttaa atgaaatttc anttnaacag nccccctgggg cta 523

<210> 6677

<211> 537

<212> DNA

<213> Homo sapiens

<400> 6677

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gaagccagag tcattgcaaa ttcttcagaa agcagtgate ttgagagggc taggaatcac 180

agtggacaga gcagccgtgc atccttccat gacaacagga aggttaaggt gggatcatgcg 240
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 ccagactttt gctgtcaggt attgcttctt tactttctcc tttattangn ttttttcttt 480
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<210> 6678

<211> 510

<212> DNA

<213> Homo sapiens

<400> 6678

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 tacaggtaca catcaccacg ccgggctaatt tttgtattc ttagcagaaa cagggtttca 180
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 agtataaact aaggtcaaga tgactttaag gaatgtactt tttttgagat ggagtgnac 420
 tcttgggtgc caangncaat gcaatggatg gcnagatctc ggnttactgg aaccttcggc 480
 ttcccgggtt aagcgaatct tctggctnan 510

<210> 6679

<211> 489

<212> DNA

<213> Homo sapiens

<400> 6679

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<210> 6680

<211> 501

<212> DNA

<213> Homo sapiens

<400> 6680

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 ctaaaaacag atcattaaaa caacaatagc gatttgactc tgtattttat ttcaatgagc 180
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 gtacttccgt tcgatgaacc gcttctgatg ggccatctgg ggaaaattat atttttcaaa 420
 gcgcattccat tgctgtncc atttncgctt gctgnaaact tgggcnttcc cacaggctat 480
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<210> 6681

<211> 548

<212> DNA

<213> Homo sapiens

<400> 6681

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 aatttggtt ggatatgaaa atctgggttg gaaaaacctt tcntttaaga atggtgnaaa 480
 attggcccca nttttntttt ggcttanaaa agtttctgct taaaaaaact gctggttaanc 540
 cgaactgg 548

<210> 6682

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6682

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541

<210> 6683

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6683

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 gggggg 546

<210> 6684

<211> 507

<212> DNA

<213> Homo sapiens

<400> 6684

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 ggttacnggn cnttaaagag naagttc 507

<210> 6685

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6685

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 caa 543

<210> 6686

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6686

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<210> 6687

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6687

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<210> 6688

<211> 542

<212> DNA

<213> Homo sapiens

<400> 6688

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caagttataa tagtaagggt tctgcaaaag attaaatagt ataaagaata ttagtatgcc	180
ttcaactggc agaaatagga ctgggcacat ggaaaaaggc cagaaataag agaagatgca	240
gatttgctca aaggctgcta cccagcactc ccatgctcac cccattccta agctcttccc	300
caagcatact cttcatatgc attggtgagg ggccagggtc ctggagggtc cagagacaca	360
aagttaaggc tagggaaaag ttcagcccca cactcccatc cactttgtag ggctttctcc	420
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cc	542

<210> 6689

<211> 528

<212> DNA

<213> Homo sapiens

<400> 6689

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atgtcacact ggggcaaact gacatcttaa caatattgag ctcaattgca ctaatactta	420
atgacctaca gattaaataa aagtaagata cttcagggtt ccagacttgc aaagatcnca	480
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<210> 6690

<211> 447

<212> DNA

<213> Homo sapiens

<400> 6690

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cgatgtgggt gatatggcca cctcactgcc ctgagaccca acttgatctc ccaactccag  180
gtgcatgacc caggctntga ccaacagagc tgggtggagg ccgttcctgc agcactgggg  240
gtggccctga cctaaccacc actcctaate cttgaatgag gttcgggtatt acaaaggctc  300
ttgtttctac ggcccagcgc anaggctgca ggagggtctt tgcctctgng caatgctcac  360
agntgcctng cccaagacag agacnagaag ggaagccaga ccggcagcca gcatgggggt  420
gcaaaaccng gaaggaaang nccaaca                                     447
    
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<210> 6691

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6691

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<210> 6692

<211> 514

<212> DNA

<213> Homo sapiens

<400> 6692

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 tacaagcgtg tgccaccatg cctagctaatt ttttgnattt ttagtagaga ggggatttta 420
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 tggngggatc caaggnntga gcccntgggc ctgg 514

<210> 6693

<211> 524

<212> DNA

<213> Homo sapiens

<400> 6693

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<210> 6694

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6694

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<210> 6695

<211> 517

<212> DNA

<213> Homo sapiens

<400> 6695

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<210> 6696

<211> 566

<212> DNA

<213> Homo sapiens

<400> 6696

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<210> 6697

<211> 570

<212> DNA

<213> Homo sapiens

<400> 6697

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ggtcctccac ggagaggaca ggcattcttc tttcccacca ggaaggagtc agcccggagc  180
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<210> 6698

<211> 508

<212> DNA

<213> Homo sapiens

<400> 6698

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taagacagga ggatcgcttg aacctcgag gcggaggttg cagtgagccg agatcgtgcc  180
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tcgctttcaa tcaaaagcta aaaatgatta agcctagtga agaaagcatg tcaaaagcca  360
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tgnancnta aaaaagagng gggtcatg 508

<210> 6699

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6699

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nggga 545

<210> 6700

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6700

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tacaggcatg caccacatg ccagctaata tttatatata ttttagtag agataaggtt 180

tcaccatggt ggccaggctg gtcttgaact cctgacctca ggtgatccac ccgccttggc 240
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 aatcatatga aagaa 555

<210> 6701

<211> 525

<212> DNA

<213> Homo sapiens

<400> 6701

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<210> 6702

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6702

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tacaggtaaa gatcaaggta gttataagtt attaaaaaat aattatggag actttttggc	180
agcagaaact acaattaaat cattcatatt ccttttaaaa ctagtttaaa atctatattc	240
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<210> 6703

<211> 530

<212> DNA

<213> Homo sapiens

<400> 6703

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acaggcacgt gccaccacac ctggctaatt ttgnatttt tagcagagat ggggtttcac	180
cacattggcc agtcttgggt caaactcctg acctcgtgat ccactcacct cgacctncca	240
aagtgtgaa attacaggcg tgagatgcag cgcccagcca ttagttctat ctttagtttt	300
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attctgactg gtgtgaaaat gtagttttaa ttgncattt ctctggagaa tagtggatgn	480
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<210> 6704

分冊

Separate Volume

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4 / 4

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<211> 534

<212> DNA

<213> Homo sapiens

<400> 6704

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<210> 6705

<211> 564

<212> DNA

<213> Homo sapiens

<400> 6705

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<211> 530

<212> DNA

<213> Homo sapiens

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<210> 6707

<211> 559

<212> DNA

<213> Homo sapiens

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 cttttttggg aanggcacc 559

<210> 6708

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6708

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<211> 541

<212> DNA

<213> Homo sapiens

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<210> 6710

<211> 554

<212> DNA

<213> Homo sapiens

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<211> 555

<212> DNA

<213> Homo sapiens

<400> 6711

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<211> 554

<212> DNA

<213> Homo sapiens

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gtctgcattc tcgcaaacga cttacaaagt acaagaaatg ttgcgtgtga gtattaggca 420
tagaaatatt cantttctta ccggaaggac cacangggga caggaaacct antggacgcc 480
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ettacaatct tttg 554

<210> 6713

<211> 534

<212> DNA

<213> Homo sapiens

<400> 6713

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<210> 6714

<211> 532

<212> DNA

<213> Homo sapiens

<400> 6714

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tggtggctca catctgaaat cccagcactt tgggaagctn aaggtgggaa ttgagcccag	480
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<210> 6715

<211> 540

<212> DNA

<213> Homo sapiens

<400> 6715

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gaacagaatc tttcatttca atggtaggct tcaagtgaag atatctctca ggagactcca	180
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cggacatcat atcacttcta taattttggg cacttcatca acataagtca aaatggcatt	480
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<210> 6716

<211> 454

<212> DNA

<213> Homo sapiens

<400> 6716

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ttcaatgcca aaccttctcc tacaacatac aaaggggaga tgccaaaact ctgaattctt	180
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cctatgcac accctggcctt tttacatgtt agtctatcct actatcccag gaattcactt	360
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<210> 6717

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6717

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tttttccttt tttcttttcc cagctacaaa atactctggg gagatgcatt ataatttaaa	180
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gctcttccag agattcctgn agccccctcat ttccccaaaa ggtgcagctt taccagagt	480
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<210> 6718

<211> 522

<212> DNA

<213> Homo sapiens

<400> 6718

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tgtgggtcan acaggcaacc aatcagggag gtctctggga actcagataa tgaaaatttt	180
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aacttaaaat taatatacaa cagaaccttc agcagaagga acatccccgg gctgtgtggt	300
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<210> 6719

<211> 532

<212> DNA

<213> Homo sapiens

<400> 6719

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gtcttttaggc tactgaaatt tccaaagttc ttctggaagg tttacctttt atatgacagc	180
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atgggggtgtt tcagggattt tttgttcacc ccagtgggta ttggtgaaat ttgcaccatt	360
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cttgataacc cgataaaact actttaatct gnttaagaaa aataacctaa agaattggaa	480
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<210> 6720

<211> 534

<212> DNA

<213> Homo sapiens

<400> 6720

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tacacagtaa tgnatcataa attcttaatg cctaaaaact ggtgaatcaa tagatgtaag  480
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<210> 6721

<211> 494

<212> DNA

<213> Homo sapiens

<400> 6721

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taagggtgata tgtttggtag tgtatctata atctttaaaa agtttagagt ttttggaatg  180
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agttcatttg aattactatg aaaaacataa gccactgtaa cttgacacag tggcacattt  360
taccatttta gacattcaac tatatataaa tctctgggct attacactca gactcatttg  420

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<210> 6722

<211> 561

<212> DNA

<213> Homo sapiens

<400> 6722

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aggagcatca tctttaaaat acaagttgca accttctaaa ttgggaagaa aagcctgtag 480
caacttcttt atatctttta aagaaaacct ggggaggggg caagncctta agnggggaaa 540
ctatgaactc aaaaccttta a 561

<210> 6723

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6723

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ataatgtttg taaaactaca cattaatgga taattaagtt aacaacatac aaccacattt	360
atattacata tgtgtttgta tatatatata tatatatitaa tactagtatc ttaaagactg	420
tacatacatc agctcatttt ttttctataa atccttatga nggaaaatct ggtatatcc	480
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<210> 6724

<211> 400

<212> DNA

<213> Homo sapiens

<400> 6724

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gcacctgcan acttgctctg ctccatcact tttccaaga ggcccagaaa atgtaaggtc	180
atggctacat ccaagttaca atggtagtga ttacagccag gttagaaagg gtcactttt	240
gttcagagca aactctacat cattgaagag ggggatcagg tcttcagatt ccaaagttcc	300
taagtcaacg tttgttccctg gaagacagtc aaggaaatca gggaaacggg tctgttgggg	360
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<210> 6725

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6725

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ctgcgcaact gtcctgagca tgagatcatt gcacagagaa gacagtccac cgcgccagcgc 180
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<210> 6726

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6726

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 ccgngaggna 550

<210> 6727

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6727

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aggggggtcca tattttcatc ttgcactggg ccttgcaaat tctgcagctg gtcctgactg	180
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aagcagacat ttaggagatg agacaacagc ntggctaacc tcaaaccctt tttagataga	540
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<210> 6728

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6728

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tgatataaat cacagTTTTg tTaaaggaac tTTaagaata acttcgtcac taatgacaca	180
tcatTTTTtg caaacaggaa aaatactaaa tTcagaggat catagtttct gcttagtcag	240
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aggcttactc atggaaatgt ggaaggTTTT gcaagcctgt cagatgtggg actgcatacg	360
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tcctgnttcc ccatcactac agctgtcact ggacgaggag gagaatgaac naaataccag	480
gcactttcta ttctagcata aangctctgg aanccagtct gntggccttt ctggggggga	540

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554

<210> 6729

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6729

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<210> 6730

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6730

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 ggatatattt ncaa 554

<210> 6731

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6731

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 tgg 543

<210> 6732

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6732

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<210> 6733

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6733

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taaaaattcc caaaacaaca	aaacacatgc ttccacttca	ctgataaaaa atttaccgca	420
gtttggcacc taagagtatg	acaacagcaa caaaaagtat	ttcnaaagaa gtttaagaatt	480
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tttcccantt tcan			554

<210> 6734

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6734

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<210> 6735

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6735

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gagataggca aacaagaaga agccacccaa tgtgagaaag aaataagcaa cgggggtgat  300
gtccgtcttt atgccagca aagccagccc cagtaggaag gaggcgcagc acaggaggag  360
    
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aagcggcttc tcagtcctcc cagtaagtgc attggcacca tggccccctcc caggcttctg 420
 caaaaagaca cacagctatt gggnctacac tagcaattgg tgtcatggct gtgtcagatc 480
 caaagtaccc atatgaaaat tcttggttgg gttctaggtc ttcaatctca aataatcatc 540
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<210> 6736

<211> 503

<212> DNA

<213> Homo sapiens

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 ggtagccact aatacctgaa atatggagta accaagtaac aaatttttaa atttaaaaact 240
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 atttactttg caaatttaga ttttatgaaa tctaaacatg gattaagtat tatcagtaaa 360
 acttttagtgn ctcaactgag atatgcaaac cagacagact tagtttcata agaatgaaaa 420
 atatcttact ggaataatat ctncatgna ttgnggtnaa tatattaaaa ttaatttacc 480
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<210> 6737

<211> 508

<212> DNA

<213> Homo sapiens

<400> 6737

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ggattacagg catgtgccac catgcctgac taatitttgt atttttagta aagtctgggg 180
 tccactatgt tgaccaggct ggtcgcaaac ccccgacctc aagtgatctg cccacctcgg 240
 tcttcctaag tgctgggatt acaggcgtga gttacggnac ccagcctgga agtaaggaca 300

 getgtgttct aatgccagct ctgcccacc agctgcacaa ccacggggca agtcatgcca 360
 cccgtcaagc gttcagattt ttcaagctag atgaaggaaa aatgactgac ttcccaagaa 420
 gtccttgcaa ctctatatat ttaaagcttc tcignacttt caaaaangaa cennnancaa 480
 ccccaatact tccttaaagc canttact 508

<210> 6738

<211> 536

<212> DNA

<213> Homo sapiens

<400> 6738

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 tatagcctgc caccatgccc ggttaatttt tgtattttta gtagagacgg ggtttcgcca 180
 tgttgcccag gctgggtcttg aactcctgac ctccaggtgat tcgcccacct ncagctccca 240
 aagtgtggg attacaagca tgagccaccg cgcccagcca aggacatta cttcttaagt 300
 acagaagcat cagtgaaggc cagtggcatg atgcgctggg ccgtcctcca caggttatta 360
 taaagaagac atccatgagg accaatgtca cacctgccag gaaacactcc ccagctccct 420
 gaaggggcaa ngtctggctt tccaaaaacc tggggcctgg tctttttggc attctaattg 480
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<210> 6739

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6739

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acaggtgtgt	gccaccatac	ctggctaatt	ttttagtitt	tagtagagat	ggggcttcac	180
cacattagcc	aggctgggtat	cgaactcctg	gcctcaagt	atctgcccac	ctcagcctcc	240
caaagtgtc	ggattacagg	cgtgaaccac	cacaccggc	ccgtcttaac	agtttctata	300
ctccccaaga	gtgagttgca	aatgaactaa	aagtcaagct	tgtaagagct	atttatattc	360
cccaactggt	aatggacca	taagtatagt	ggctgcatct	tattcacctc	tgtaagcccg	420
aacctgacac	attgctgggtg	cagtacatac	ccangggaa	atgtgctgac	tttttaaaga	480
atttggaatn	caagggccag	tgtcaaattt	caatctaaga	actggattca	ttggcnaaga	540
ncctganttt						550

<210> 6740

<211> 553

<212> DNA

<213> Homo sapiens

<400> 6740

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cctaaggaag	gaaacacaga	agaagggaac	agcttcctca	cctataaaat	aataaaaatg	180
tggtcttttt	gacatccttg	agctaaataa	ggtcgcaagg	tgagagccac	tgcccagaag	240
ttttacccaa	atagtctaac	atagaaatag	gcctggaaac	aggaggagta	acataaattt	300
aaggcttacc	agtgtataaa	gtaccttcta	ttatcatttg	atcctcacta	ctcagttaag	360
aattatctct	atttttacat	attttttaaa	aaggcatcag	tgaaataatg	tgattacctt	420
caaggncacc	cactnggtaa	atggcttgga	caaatcctca	ttaaccctac	tatacccttt	480
tattntgaga	aagtcagagt	anctnggtgg	aagcctgact	atttaatacg	gatccaanat	540
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<210> 6741

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6741

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cttttttcat taaaaaacca tttatagtca tttcatgttg gttggaaatc acagaaatta   60
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tgctctgctc tcctgcgagc cggggaagga gaggggcagc ctgagctcgg gcgggggctg   180
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gttgggtggg atgggcaccg aggagtgtac ccccgttgtg gcacctgagg ctcgagtgcc   420
gccttctatc tggttgcttc tggcactaga gaacncaacc atnttcaagg gtcccacgct   480
tgggccaagc caggcattag cacaangnaa cttgttgggt aagtgaagtg acttccttg   540
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<210> 6742

<211> 499

<212> DNA

<213> Homo sapiens

<400> 6742

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gagaaagaca catacaggcc actgtttaag cctagaaaac atcccttatg ggagggtttc   180
ttaaccttgg cactatcaac aattcaggac agaacattct tttgtgggga cagtccagtg   240
cattgtagaa tgttcagcag catccttgge ctctaccac tagaggctgg tagctccaag   300
tcttgctgta acaacaaaa atgtctccaa acattgccaa aagccccttc tggagtaaaa   360
    
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tagcccaaaa ttgagaacca ctgcttaagg ggggaaaaaa agaaaaaaa gtcccttan 420
aatgatgaan ggcaaccctt ggcanggtca gaaaaantgg ggccanattc accctggctt 480
ttgggttcan gcncttggg 499

<210> 6743

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6743

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aatctgatcc cacacactca ttctttcaga gcccggaag gtaagatgaa ctgattacac 120
catacttaga aacatcctgt agaatcaaag aaaaatgctt cctgcctttg tacagaaaat 180
taagagattt ttcaaagtga agaaaagcaa ttttaattacc attaaacaag gtttaactgc 240
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cccggcctc ttttggctta tcctcagcaa gaagcgactg ggaacaactg actcttgggt 360
gagctgtcca gatagttaga aacatatcac acagcagttt aagggacccc agggggggca 420
gggaaacccc agaatcaggc cactcctgtc cttgctcctg tctgctgctc ggaagggccc 480
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gggtntn 547

<210> 6744

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6744

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tgcaatggtc tttatcaaaa ctacaaaagc cagcacacta tttcaatatg tattcagttg	180
ttcatatcta aataacctcat tagctatgaa acaaaccaaa tataaatgct gaatatacag	240
tacatagcaa cagattcttc acagaagaaa acaatgaaag actaattttc tacaatatgt	300
tacctgttca ttagttcttc aataacatta cttaggctat ttcaaggata acaaaatgta	360
tgcgccacta cccatgtttt cgcaacattt tttacctagg ttctaaaggg gaataaatga	420
gggatgccgt ataggcagaa ttatTTTTat aaactttcgg angttcnttt ggggtggggca	480
tcttacatga atatatggga ccagaacngg atgtaccctt aagcattagt nggtctatgn	540
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<210> 6745

<211> 516

<212> DNA

<213> Homo sapiens

<400> 6745

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gatgattgat gccccagttc acaaaccata tctTTTTctc tttcagcaaa tcctggagcc	120
ccaagagggc tgcagcctga gtgaagtggg gacatcagaa cctgccctcc acaccaaca	180
gctggactgc agcctcctgc aaggcctggg ggatgtgcct gacctctctc tgggacagag	240
tccgttccat gtggcggtac gtgatgcggg agcagtggct ggtcttgtgc gtcctacaga	300
gaggaagaga acacaggtga gtgcgggatg aacaaggctg tgcctgaagg agcagtgtgg	360
cttgccctgg ccagatctcc ccaactgcag tggagaactg aggttggaat ccaggtacca	420
tttaccgntn acaatctgna tcttatcagg gggaaaangt gacagtcagg ggaacattcg	480
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<210> 6746

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6746

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tcactgcaac ctccgtctcc tggctccaag caattctcct gcctcagcct cctgagtagc	120
tgggattaca ggcacgcacc accacacctg gctaattttt gtattcttac tagagatgtg	180
gtttcatcat attgatcagg ctggtctcga actcctgaca tcatgatcca cccacctcgg	240
cctcccaaag tgctgggatt acaggcgtga gccactgcgc ccggcccatt aatcttatct	300
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tgntctagaa gcaagactcc tctaattgat cataacacca agcctacccc ttagctgaca	420
agtcaaattgg gtggtttttg gtggtntcaaa tncaggaaga caccctttgg gatacattga	480
ctaantagcc aagaataana aggcagggga aagaaattat ctaaataattt ttggctaaac	540
ctn	543

<210> 6747

<211> 552

<212> DNA

<213> Homo sapiens

<400> 6747

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cttttaccat atgtttgtgg tcaaatacatt ttataaatat tggcttagat gagatttaag	120
ctcatctagc tttaggtgct taagagtcca ccagacctgg ccggagcagt ggctcatgtc	180
tataatctca gcactttggg aggccgaagc gggaagactg cttgagacca ggagttcaag	240
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gcctctgtgt aggtatcttc accagcaagg cttggccaat agcggataga tccttctctg	420
gnggcaacca tgacagcaac agncttaaaa caggatcaca ccattagcat tencattaaa	480
agaggaaccc aaaanccacc agtctgatgg caatggatcc aaggaaccgg gncanttact	540
ntttggacca na	552

<210> 6748

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6748

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tcaacagtga attggactta aattgtcttc tgtttacaat ggctgaaatc catttaaatt  180
ctcttggtgg tcctttgttg attcctggag atttttgtac tgtacttgcc tcattcctac  240
acatacttta attgaataaa atgggagaat gcattttccc aagtgcctaa agtgactgtg  300
gaaataacca gggagagtta ctattttcag tctacaacat atcatattca gatacatatc  360
attgtggaca taatgaatgg gaattctata tacctataat tagtcaacat aattttcttt  420
tcctccttat ataatgattt tatctgagca ccaagggggt cctttacatc aaataaactt  480
tatgacaatc caccaggcca atttactacc tcaattangg catggtacat aaaaggnga   539
    
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<210> 6749

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6749

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caagatctgc ctcccgggtt cagccattc tcctgcctca gcctcccgag tagctgggac  120
tacaggcgcc tgccacctcg accggctaatt tttttgtatt tttagtagag atggggtttt  180
caccgtgcta gccaggatgg tctcgatctc ctgacctcgt ggatccacct gcttcagtct  240
cccaaagtgc tgggattaca ggcgtgagct accgcacctg gcctacaaat acataatttt  300
aattaacaac ttcatttgtc tgaaaccttt ttgtctaatt tgttaggata tgaggctaatt  360
    
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atgcttaata acatgtttta catgtttgca acaaactgaa cataaacaga aaatccacat 420
 ctttgaaaag agctaaacac aaagaatgaa ttacgtgag aaaaagtaat ggntttcant 480
 aaaaagcagt caatgccttc ttntgngcct ggaaaatatn tnaagcctan ttttactggt 540
 ttaa 544

<210> 6750

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6750

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 ggatgttgat tggcttgnt tgtaacgggt tttcatgag aaacatcctt tggctactan 480
 ggattggcac atttgggctg nttgcanctg aggcttgagc ancttttga tcaacagttt 540
 tna 543

<210> 6751

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6751

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caacttccgc ctccctagtt caagtgattc tagtgcctca gcctcccaag tagctgggat 120
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 tatggtcctt cttccaaact taatgccgga tctcagcctc atcacatatt gaagactgna 480
 tcagaaaatg gtaagtgcta gcaccaatag gcattangca gtagactcan nttganggga 540
 gcttggn 547

<210> 6752

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6752

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 aaagtggat tacagtaagc ttcttgggca tgacttactc acagactatc tactctaaaa 180
 tctaaaagac cttttttaaa agcgggatga ggtgactctt ctaatttagt cagcatgagc 240
 aagaacaaac aaaacctata aactcaacta ttgaaagtta cttcgaactt tatactgaaa 300
 aagcactata caaaaatttc catcggttat tctcatggt cacttttaca agatgggttg 360
 ttcccaactg gccaaatgac ttcccttggt acccactgta tgcactattt cccttccgac 420
 agtgacgtcc ccttgnactc tgtcaagtag gattaaaact tttcagactc aagnattttn 480
 ccttttctcg gggttttcag anantattaa ctggtctttn aaaaggntta aaggccaaaa 540
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<210> 6753

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6753

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tttaaagaaa aagctttcaa aacatctgag ttagcttaat acacagagac cctgaaatat  180
atgggaacta catattttaa atgcttgtag ttctgtctct aataatgtct tctttaaacg  240
gaatccagca taaaagggat tgaaatgtat aaggatcatga tgcaaagtct ttggagatag  300
tgaaactgat ctgcacaaca tggaaaaaga tgtcatgtgc acagaagttc tgcaaggatt  360
cactgagcca tctgggcttc catggcttgt gctgtccatt ctggtgctgg ttgactaatt  420
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tttcggggtt caaaaggact attcctcaat ctgggcaata aatcctttca tccgtcctt   539
    
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<210> 6754

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6754

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atcacacagt ttccataaat ggtcttattt tccttttctg gttgaaattt aacccaaaga  180
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gttggggcca ggtaggcca aaacttaatg cattaatgta aacattatca gtatgtttac  420
gtacctggtg ccataccaca cagaagcttt ccaattccta ccacaggag gttttcttct  480
cttaacacca ggaatcttgg tcaaacccca aggggtggaat ttcaattgga agcntttcaa  540
    
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acactggatt

550

<210> 6755

<211> 536

<212> DNA

<213> Homo sapiens

<400> 6755

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ttcatctacc tttggccttt gatgatggtg acgacagatg gggttttggg gnggatgtcc	480
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<210> 6756

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6756

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tatacttggt ctaccatgtg tacattaatc cagaaatatg cattaaaaca ctgcacagct	180
ctgtgaactt gatgcactga gatttataaa tagtcttctg aaaatccgct tatattcaaa	240
gacattatgc taaggcaaaa tgtaagtaat taaggaggagg tgacgaattg gaggtaataa	300

taaaaaatag tcatgtagaa aattataaat aatgactaag gtgaaaaaga aaagtgaaag 360
 tactgaatgg gtagaaaggg aactcaattt tggttctaag cattagtatg aaaagggcct 420
 aatgccataa taacccatt ccaatgctta ctacctgngg gtactggtaa ggtactatac 480

 ttcattaage cttacnttcn tggaccgna aaatggcata ataggatctt ctgcaaaggc 540
 ttcctgggtt tngaac 557

<210> 6757

<211> 459

<212> DNA

<213> Homo sapiens

<400> 6757

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 aatggtctan aaagcatcac ttcattgctat gggttgaact gtgccctcta ataacgttgt 180
 tgaagtctaa ccaccagtgc cttanaatgn gacctaattt ggaaataggg ttgttgacaga 240
 tataattagt taagatgagg ncatactggt gtaggggtggg cccctaattc aatatgactg 300
 ggtatcctca caagaagaca gcaatgtgaa gaaacaggga gaatgcccc a gaaaaggga 360
 acnnagattg gactgggtgca ttacaatcca nggacatcaa agatgggtan cctnatgaen 420
 gcttgganaa aggttgggaat agatcttcct taaagctct 459

<210> 6758

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6758

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ttacaggtgc ctgccatcac acctggctaa tttttgtatt tttagtagag acagggtttc 180
gctgtgttgg ccaggctggt ctcaaactcc tgaccttgtg atctgcccgc ctgcccctgc 240
caaagtgctg ggattacagg cgtgagccac tgcgcctggc tcanattctc ctttcttaat 300

attcacatat cacttggtat aaacttttgc aatctacaga aggagcagga tataatacaa 360
aaaaactaaa aaaaaaagtt aaaaaataa aaataaactt tggggataat tagataatct 420
aagaaattct ttnagnggtt ttncctaactg ctggggatng ttaaaggga aagaagctca 480
tnggaaattg aattinggtgc ttgtggactg acaagggttaa gttgggtnc taatggagga 540
cttttanggc 550

<210> 6759

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6759

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atgttcctag catcacaat ctgagttaca attttgcttc tcaatgaaa acatatactc 120
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tatcaagtaa gatattaact ttacctttat aaatctttgt gtgaaatgaa aaaaaaatca 240
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tgagagcctt gngggcctcc agtcatgcct tttccganat agggacttca tctttgngg 480
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ctgcn 545

<210> 6760

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6760

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ttctcttcat ttctccactc acaggatcaa aggggtgcggg cgaggactgg gaagcggggg	180
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tgagaaataa acacaactgc cagaaagcag cagccttcag ctactgctaa tcccaggcta	360
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acacagagca aggaggaagg ggacagtcca atgcaaatnc ccaattgggg ttcanaacag	480
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<210> 6761

<211> 428

<212> DNA

<213> Homo sapiens

<400> 6761

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tttccacaat gtcaactgca tgctgcattt tcatttctat agagcagaca agcttccaga	180
ctgcagacca agtttcttgg gtaataatac tactatcttg atcatgacca caggaaacca	240
atatttatatt ccctgtacta tagagatgag acattatttg gtgtatatga aactcttcag	300
tggtggtgtt caagaatatt caaatagtag ctgaaaatag ggtttgctag agcagtcnc	360
atatttcatt aaaagaaaaa tgcccagtca aaacatttag aantaaatnt ntngnncagc	420
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<210> 6762

<211> 538

<212> DNA

<213> Homo sapiens

<400> 6762

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gagaaggagt cttactctgt tgcccagggt ggagtgagc tgcacgatct cggctcactg   60
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tacagggtgca tgtcacccgca cccaactaat ttttgtatatt ttaggacaaa atttttgtat  180
atTTTTtgcA tgtTTTTtgt ataattttgt atttttgtat atttcacat gttgggtcagg  240
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acaggcatga gccaccacgc ctggcctaata atttttatac tatacaagta taaagtgtca  360
tacctatatg tgcatgtgtt taaggataaa atgngatata ctgngtaaaa cacctgaaat  420
aataaatacc gggccttata catatttgac cttttgaatt aaaagacatg cttaaaaaaa  480
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<210> 6763

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6763

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gagacagagt ctcactctgt cggccagggt ggaatgcaat agtgccatct cagctcactg   60
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tacaggaacc ggccatcatg cccagctaata ttttgtgttt ttgtagagat ggagtttcac  180
catgttggcc aggctggtct tgaactcctg acctcagggt atccacctgc ctcagcctcc  240
caaagtgttg ggattacagg cgtgagccac tgttcccggc aataatgcat atttttcaaa  300
aacagcattt aacagtgggc atctgacaaa tgtcagtttt cctttactgg gattttccac  360
atgatctgtg tattggtgag gagcctctta attgaaagtg acagaaaccc agcatgtagt  420

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ancttaggca caaaccggat taatgggcn aggttaaggaa nggctaanag gaactggcta 480
tgaaggatgc tgaataggaa cttcctgntg gcagtacttn tggccccata cttgggggncc 540
ttcaacttcc aagg 554

<210> 6764

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6764

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atgtttcaat aggaccaaga acgttagaga ataaagatct tagatgaaaa tgaacactaa 180
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aatgttatgt ggttatgaag aatgaaattt ctcttagaag taggcagcat gaatttatac 300
ttacataagt ataacttata cttccttgta ctttcattct tagtttttat aatttaagct 360
atgtccaccc tggctaaagt acaatcatac aatatacctc agataatttc catgctacca 420
ttgccaagtt taagtgattt tactattaaa aaaaaaaaaa tccaaccacc atcaaaatta 480
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ngactcaacc t 551

<210> 6765

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6765

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tacaggcacc cgccaccaca cctggctaatt tttttgngtt tttagtagag acgggggttc	180
agcgtgttag ccaggatggt cttgatctcc tgacctcatg atctgcccgc ctcggcctcc	240
caaagtgctg ggattacagg cgtgagccac cgcgcccaga tgacctaga atatgtttta	300
tttacctct cttacctgn atattaggag tgggaggcat agagatcagt tcaggttttg	360
ccaacagaca gaaccagggt cacacccgtc acttccacac actggtgatg ngctcaagga	420
agctgcttat ctncattaa ggccatccat tcaactgcaa aatgggggat aataccctta	480
actgggctgg ttacaagttt taaatgnant aaaaaaaaaat agcctcgat ttgncataa	540
tac	543

<210> 6766

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6766

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ctctttacta tggtaaacta ctaagaaatg caatctctat cctgagaggt cccitttagag	180
acagcaagtc tcctttaccc caagagagga gatacctcag tatcatcatt agcaatctct	240
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gactctgctg tgctagcact taatcctaag caaattgctc tatctccctt ggtttcattt	360
ttcttatgtg taaaatagag aaactggctg gtgcagtggc tcacgcccg cctattatgc	420
tattcttgat gtgcatggat aactgaaagc agactacttt ctaaaaatat tacttgagtt	480
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accc	544

<210> 6767

<211> 562

<212> DNA

<213> Homo sapiens

<400> 6767

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ctgcgtgaaa tcattaagga aaaccttgaa cactcaaagc ttcaaagtga tccaggga	180
aaaaaattct ttgacagtct acataacaac tattgcatat atagtgatgc tacctgtcac	240
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gagaacatct cttcatgggt tgcaagaatc ttcagcaata aaaaatagtc ttggatttaa	360
gcgctgatat acctaaagag aaattctagg ctttaagtga aagaaaangg aagtccaacc	420
cttagtctca tgtataacag ttggttttaa tctttcttnc ttaaaaatcc ttatcntaan	480
ccattttggg cataggcttt ttttttttaa acttgnctga atagggccca agncccttgg	540
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<210> 6768

<211> 586

<212> DNA

<213> Homo sapiens

<400> 6768

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tctctttttt taatagaagc ttattattcc actggaaagc tgtatcataa tttatgtaac	180
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ggaatttctg gggcaaaaga tatatatatg ccaaagatat tgccaaattg aattccatac	360
tttcaccaag acagttttat aattttatta tttttgccag ctcatagatt ttaaaaaagg	420
cttctcangg gaagtttaaa tttgccattt aattttgaag tggantggag aaatctttcc	480
tatatattcaa aggatgggta aggttaattt taaaatttcc atgggaaaaa ttttaatcca	540

cctttcctaa aaggggnngg tnaanctatt ttcttaattg ggggcc

586

<210> 6769

<211> 553

<212> DNA

<213> Homo sapiens

<400> 6769

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aacacttttt cccaaaaacc acaataaata attttcaaac cagacattgt acaattttaa 180
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catgggtcat gccacaggc atgtccaatg tctggacccc atactgggct gaaaactggc 480
atcctgtgaa gaggaaggtc tgcnngtcat caaagtgggc aaccctttg agacagccat 540
ggagggtcag aat 553

<210> 6770

<211> 529

<212> DNA

<213> Homo sapiens

<400> 6770

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gcctcccag tagctgggat tacaggcatg caccaccacg cccggctaata tttgtatttt 180
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atccgcccgc ctcagcctcc caaagtgtg ggattacaga cgtgaaccac cgngtccggc 300
ccacaagcta aattttgaag tattagatcc tttcttaaac ttttgctctt cggattgtca 360
atgtcaaaga tagtttccag ggggaccaa tttggcccca aaactgggta ttaaaataaa 420
~~gccttaactt ttattggtgn gcatttcttt ctgaaaacaa ttttnactng nttaccgtgg 480~~
ttagnaataa taagcttctg gctattggaa ttttaaaact caaanttnt 529

<210> 6771

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6771

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aacctcaaaa tccgggactt aagtgatcct cctgcctcag cttgccaaac tgctaggatt 120
attgaggtga tgggtgcac tcaactccat ttttttcac agcctttttg tcaaggactg 180
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gaaanggaga aagcaaagtc acaatccgat ncaaacttag aagaaaatcn tagttggtgg 480
attaacaagt tgtnggccct tgcaatgtac ccgaaaata atgccttact tccaaagcat 540
ggctttcaaa cctactt 557

<210> 6772

<211> 563

<212> DNA

<213> Homo sapiens

<400> 6772

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 ccatgttgcc caggctgac tcaaaaacgt ccgcctcggc tcaagtata tgcctgcctt 240
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 aaccttttgc ttttttttcc tggnaaaggc ttctgggggt tggggtcctt ggnctacctt 540
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<210> 6773

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6773

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 tacagggtgca cgccagcaca cccggctaata ttttgtattc tgaatagaga cgggggtttca 180
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 gnccatggaa tttgaatctc aagcngaaaa agaccgaaaa agggttgaag ttggcttata 480
 caccggggga cctnttcag aaatgtgggt ttaagntcct tcaacaagaa gcccaaanct 540
 ggccaanggt ccacct 556

<210> 6774

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6774

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gagattacac cactgnattc cagcctaagg ggacagaagc gaggactccg ncttnaaata 480
antaaataaa gtaagtaagt aagtaaactt tangaagttt ngctangcat tggaaacttcc 540
gtctgng 547

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<210> 6775

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6775

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ccttttaagt atgctttgta attttctgtt gataggtaga catgatacac tgggtaaaag 360
gaattgcagt aaacagggtt ttcacacctg tttcaggtgt tgggggtggga aaagtgttct 420

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atgatactat gagcagggt caagtcttgc tgaacttng tccctgggct atgaacttnc 480
caagtgcitt tcaactttcc ccaactgcat taagggggac agaatatncn gaagtactag 540
nggtanggat ttcc 554

<210> 6776

<211> 494

<212> DNA

<213> Homo sapiens

<400> 6776

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<210> 6777

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6777

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tgtcgggatt ataggcatga gccacagttc ctggcccaaa ttcttttttc ccccccatag	300
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nccactgga gtattacttg gcttgacga atttctaac acttcattgg gtcccatgtg	480
aaaangcagg agccatnttt aaaagcccag atttcaaggn ggcngtacat atttttcaaa	540
aaagacaant ttttt	555

<210> 6778

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6778

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<210> 6779

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6779

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<210> 6780

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6780

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tacagaagca tgccaccatg ttaggctaatt ttttattttt ttagagaaa gagttttgcc	180
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gaagctttta gtccatttt tatgtgttag ggaaactgag tcttgagag actaagatac	360
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tatctagctc tgacttacca cttnaccct tggnaacctga ctnttaaaa ccttaaaggg	480
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<210> 6781

<211> 536

<212> DNA

<213> ~~Homo sapiens~~

<400> 6781

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tattagtttt cccaagagct gggtttttta aagagcccgg ngcttcctc tctctcttgc 420
ttcctctcta cctgngatc tctgnacaca ctggcttccc ttncctttg ccatgagtgg 480
aacaaccttc agccttanct gagnanaaac cggggctgat tttggacaag ccataa 536

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<210> 6782

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6782

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acatcatcca gttaagtcca ttgacaccaa gtacttattg ttggggcttt acaaagacta 180
caaaactttt cagatgattt atttactgt ttctgcctat ttacatgata tgttacatca 240
aaatgtacaa aatataaat gtatacagac aaatgtttca caaactagtt taagttgtaa 300
actaggtgga cctactgggg tgtattgcag gaaattctgt ttatgctcat gtttgactg 360
tgtttctcaa aatggcaggg aaagattagc aattttctta gatcacatat tatacaaggg 420

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aaactagtca ctcatccagc tacatatatt ggatggttca caacagattt gaccatggtt 480
gangnttttaa aggcangggg acaattctat ggggcctnaa atcagtcgga ttcccttang 540
gcaatagcnc cgggtang 558

<210> 6783

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6783

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tcccacctca nacccccagg taactgggac caaagacaca cattatcaca cctagctaaa 180
ttttttcata gagatggggg ttcgccatgt tgcctaggct ggtctcaaac tctcctgagc 240
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ttctgagtaa ttatttcgga tctatatttc aaatcactta atttctccta agctggttct 480
aaacagctac ttaacanttg cattaaaata atcctttaac ctctttttaa gcaactttat 540
tgggacaaac ntataaa 557

<210> 6784

<211> 563

<212> DNA

<213> Homo sapiens

<400> 6784

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atcagactgg tacatgtgta actgatgacc ctacacggac atgtcattat tgcttanagt 180
 tcatagtcca tacgagggtt cacacttcgg agtgcacatt ctgtgggtct ggacaagtgc 240
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 tcctgttcc accttttcat ccctctgtcc tcccagcccc tggcaaccac tgacctttt 360
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 gtcttttcag agtggcctct ttcacttaag taatatgcat ggaaagggtc tncatggctc 480
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<210> 6785

<211> 514

<212> DNA

<213> Homo sapiens

<400> 6785

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 tacaggcgcc cgccactgng ccagctaat tttctgnatt tttagtagan acgggggttc 180
 accgnggnet ccctctctg acctcgtgat ctgcccacct nggcctccca aagngctggg 240
 attccattta aaggnatgca tttctgatac ngaaagagct ttctcatgan cctgaaacaa 300
 tgtaataacc atgcaatgnt atatcactga ttatgnttca ctaatgntgg ctgaaattgg 360
 ncaaaaagtt ttttggaat ccttacnaag atcaaatac taantcttct atggatcttt 420
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 caagtctctt aatggaaggg gcttaaancn tnaa 514

<210> 6786

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6786

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taccaattct cttttggacc tcatgcccaa tacttttttt tttttaatt tccaactttt 180
atttaaagtt ctgggggtaca tgtgcaggaa gtgcaggttt gctacatagg caaatgtgtg 240
ccatgggtggt ttgctccacc catcacctag gtattaagcc cagcatttat taggtattct 300
tcctgatgct ctccctcccc tcttccctc aacaggcccc agtgtgtgtt gttcccccat 360
gtgcccattgt gttttctttg ntttaagttc tacttataag tgagaacatg cgggtgtttg 420
ttttctggtg ctgngttaag ttgctgagg ataacgagct anccatattt caagggtca 480
atactatggt ttgcttaang ctaacttaat gggnnagngc ttaaangac atttcatcaa 540
ngcaaaagt 549

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<210> 6787

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6787

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taactgatga ccctacacgg acatgtcatt attgcttaga gttcatagtc catacgaggg 180
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cagtgttaata tcacacagag tagtttcacc gccctgaaat cctccctgtt ccaccttttc 300
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ctttcactta gtaatatgca tggaaggntt ctccatgnct ctttgtgacg tgatggctca 480
tttatttcta gccctaaata atattccatt aagttttggc tatnccctat tgaaggactt 540
tttgggtgct tncaan 556

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<210> 6788

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6788

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attttcttta aaaataaaac tctgtatttg taatgtaagt caggagtaaa tacagatttt  180
ggataaatgt ctacacttcc taagtcaact ctcagagtca cttttaagat cactctagct  240
gtctggggta tccaacttgg gaaattcaga gcctcagtat ttagaaagaa aatccttcct  300
caactttaat ctgatgaaaa gttaaatttt ccttgaaagt cgatgatatg ccacaaagtt  360
aaatgcgcca tctggcaaaa ggcaaattag aacaggttca aaatttacia ctgnctacia  420
cattcaacta tttgggtcaaa atagaacctt attggcaatt ttgactttca caccacacga  480
atgtaccgga gaagttggna ttccccangg caattttttt ttttagcgcc aatgacaacn  540
ccattaccct aantttaag                                     559
    
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<210> 6789

<211> 553

<212> DNA

<213> Homo sapiens

<400> 6789

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gagacagaat ctcactctgt cgccaggctg gagtgcagtg gcatggaatc tcagctcact   60
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ctacaggcac gtaccagcac atccagctaa tttttgtat ttttagtaga gacagggttt  180
caccatgttt gccagatggt ctgatctct tgacctcgtg atctgcccac ctcggcctcc  240
cgtagtgctg ggattacagg cgtgagccac tgcaaccagc cagaatttaa tattctttag  300
    
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ctactttgac tctaagtctg aaaagaatca ttttagaacc tgcaaaggca caggaaataa 360
 ctaaaatccc caaggaaata tctaaaattg gcctttaagc agaagagtaa cataaacaat 420
 gctggcttct cctgatctct atctaagtca anggtttnc c aacctttttt tctggctcta 480

 cctatttaca agtgcangct acttccatcn tggatatctt aancntttta tctccgnaa 540
 gccagggggc cta 553

<210> 6790

<211> 534

<212> DNA

<213> Homo sapiens

<400> 6790

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 ttacaggcat gcgccaccac gcccgntaa tttttggatt ttagtanan acagggtttc 180
 tccatgttat tcaggctggg ctcgaactcc tgacctcacg ngatccgccc gcctnggcct 240
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 tgctattttg naccttngcc accaaaacgt tttttccgg ctcactttt atgaaggggn 480
 aanttttacn ggctgactcc attaaaggca ttttggcctc taattttnaa ctcn 534

<210> 6791

<211> 531

<212> DNA

<213> Homo sapiens

<400> 6791

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 gggtcatggg ctaagagaca cagaactatt ttagaagagt tcaagttcac atggtagtta 180
 cctctagggt catcacactg caatggcaga acaggcttgc agatacagac atgaacaatg 240
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 agcttcaatt ccctaggctt ttttaaagaa agtgggtattt ttatttattg gtcaactcag 360
 aaataatttc tcaaagttta ttcagctttt aattaggaac ttataccaat ttttctaacc 420
 ctggggagaa aaccatnnga aaaaaaccca acctatattn caactggttt ttnaaagtcc 480
 accaantcaa ggtcacnttt tnggggcatt ttatttggaa tccgacttaa a 531

<210> 6792

<211> 569

<212> DNA

<213> Homo sapiens

<400> 6792

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 acctatccaa aacaactgtc aacggaggtg tttccgaggt atcaagacag taacaacaac 180
 aacaaattaa aaaaaaacag aagagaactc aaataactct ttcgacatgt agtgaggcag 240
 agtctacgaa gtaccctgaa gcagttgggt gccgtgaatc ctggtgggtc ttcagccaat 300
 gatggcagca gggctggcca ccgtggaagg caagtactg agggcttcct aactcaagtc 360
 tctgtccac aagacttctc agttgacctt cagagcagcg gagtcacggc tagagagaat 420
 cctccagacc atctcangct cgcactactg cagtctttca aatgccctta gagcacggct 480
 tnagaacaat ctctttgctt tcgttcccta atgagaacaa ttcggcggtc ttttactttt 540
 tgagctcaaa tanttaccat cttattaat 569

<210> 6793

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6793

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gtgtacagta atcaggactg gagaaggac gatttagtat ctaaaaacaa caaaaaaac	120
actgggacat gccccctgaa ttgcaagttg gagttcgtaa gaatctactt gctggcaagc	180
cggtttcctc cctgagaagc acacttcccg ctctcttctc tccttccagc atcttctgtc	240
cctctcagtt aaggcctgga cagtgtggga tgggtgtgca atctctcctg cagagctgtc	300
agtcgcccgt gggctcgggc tgcgtgcact caggctcccg gtcgctgggc tctgcgctcc	360
gccgccgcag ctctccacc gtctgcagca gggccgaccg ctccagttct aaggtaagca	420
tggcctgctt cagcttgtc tactgntcan gagcttctca atgggnggcc tcaaggcttg	480
gacctaacca tttggcacct ggcaactggt caaggaggca aggtttggtt gcgnaactgc	540
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<210> 6794

<211> 565

<212> DNA

<213> Homo sapiens

<400> 6794

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acaggtgtgc aacaccatgc ctgcctaatt attgtatatt tagttagac ggggtttcaa	180
catgttgggc aggctggtct caaactcctg gcctcaagt atcctccac ctgagtttcc	240
caaagtgtgc gaattacagg ctgagccac tgtgcccggc ctcatattatt ccttcttatt	300
agttgctatt ttggttcagt ttgcaccact atagtcctct actagtacaa acattaagga	360
tgatcatggg aaaacagatt tggctggtta gcaaaaatat gataaaggca tatcaagtat	420
tagtttgtaa acttaaatta ttcttggtc ctacaaaaaa gaattacata cattcaggta	480
catattctga atctgacaaa aatatttaag atagctcgta atggaataag acattgaact	540

tcttattatc aaggttcntg aggnc

565

<210> 6795

<211> 534

<212> DNA

<213> Homo sapiens

<400> 6795

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 agtcacatgg ttttaacttct ggttgctgtc tccgtgaaat ccagattgtt ctggggaggg 180
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 acagagacac tttcttaagg tgataaattc caaacaacat gcagcagtga actgatgcag 300
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 tgcaggatca ctgccaacct ttggcagctg ggggctcctg ctgagtaatg ncagtggggg 420
 acatatgaat cacaggtttt cctttaatct tataatggta aaaccatttt taanaccnta 480
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<210> 6796

<211> 562

<212> DNA

<213> Homo sapiens

<400> 6796

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 gaagatctat gctgttttgt ttgggaaatg aaaggttttg gctacattta ttgtttgaat 180
 ttggaggggac agagagatta ctagggacta gagtggtttg agcaggattt atggaacaag 240
 tgtgacttca cattgttaca aattataggt gaagaatgaa ggaacattcc aggatcaagt 300

ttcctaaaat ttggaaataa actgtggaaa ttctcctaag gtttgtatct ttcttgtctg 360
aatctaagaa tctttttcta ttatgatgag tgagatcagg aaatgaatta aaatatttta 420
atttcctcct tggttttgaa gttcttttaa gaagggattt agaatttaaa tagtatgggt 480
attagtatct ttgagtgaag gagaaaccgt aattaaatgg ctcttcattt ttaaaatagg 540
gagaaaagct tcttcnctt aa 562

<210> 6797

<211> 564

<212> DNA

<213> Homo sapiens

<400> 6797

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caggcatgcc ccaccacacc cagctaattt ctgtattttt gtagagacag ggttttgtca 180
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aagtgctacg atcacaggcg agaggcactg caccagccc atggtttcct aacactgcct 300
cactttgatc ttgtgtgaaa ttgtgactca gtgctgagct ttagaccag ataatgttg 360
agggggaata cagaggagaa ttgaccttc tgaacagctc aacctagttt ctaaaggcaa 420
gattttactc cagcgacatg tactggtgac catgatgtca ctctgtgagc tggcctacca 480
gtaaccaaac caacgctnag gaaggaganc attttccacc aacagnacac actatggntt 540
ggggnggccca atgatgggcn ccca 564

<210> 6798

<211> 508

<212> DNA

<213> Homo sapiens

<400> 6798

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caccactcat ggctgtatct tttcataga gatggggctc ccctgtgttg cccaggctgg 180
~~tetecaaact cctgggctca agcgtatcct ttgccttggc tcccccaagt gttgggatta 240~~
caggcgtgag ccaccatgcc cggccagcat ttttttttt ttttttgga gagagacaca 300
agattattct aaaatgtata tggaaagcaa ttccaaaaaa gaagagtaga ggaattgccc 360
ttcctgatgt tgagaaccgt acagctacag cacagcgta tacggctcct acgtcagaca 420
gacatggctg gggcancgct ggangggaaa tgtgganacc acanaacaga acagaggaac 480
tcnaagagac cncagacgct tcagnca 508

<210> 6799

<211> 227

<212> DNA

<213> Homo sapiens

<400> 6799

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cagcctccgc ctcccggtt caagcgattc tctgcctca gcctcctgag tagctgggac 120
tacaggcgcg tgccactatg cctggccaat ttttgtatt ttttagtagag acgggggttc 180
accatgntan ccangatggn ctccatntcc tgacttngcn atccacc 227

<210> 6800

<211> 560

<212> DNA

<213> Homo sapiens

<400> 6800

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atgtgccatg gtgctgttat tgttattgtt tatgaaccta tcatctccta ctactgtctg 120

atatgtctct gtaggccccca tgaccctagc aaaatgacta cacatagtag gtttttccat 180
 gaatgcttaa gagatgactg agcctactgt ctccagccta acttcctat ttaagagctg 240
 aaaaaatcag attttttaaa agtttcattc catttaagag ttaaaccatt tttcttattt 300

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<210> 6801

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6801

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 catattgaca tgatatagga tgcaagatat aaatatcaat ttaatagaca ttattaaata 180
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<210> 6802

<211> 517

<212> DNA

<213> Homo sapiens

<400> 6802

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gggaagtgag gtagagaaac acctggatta gttacagggtt ggcatttgcc ctatttacac	180
acagtttgaa cattcagcag tgtatgagtg attgaagtac ggctgctggg actggccgag	240
actcagcaat tgtgacaggt acatactcct aatttaggtt ttcaatcttg tctacctatt	300
aagttaggct cagtttggtc acagggactc caatacagaa gtacggagtc cttctcaggc	360
catatttagt tcgctttaac aattccccct ttttggtcat tttatcagtt ttgagagatt	420
gatccgaaac ttggagttat tgatgccctg tcaccatggg cttgnaaccc cctnngaaca	480
naacagtga gttttgcaaa ggtnggacca nggnctg	517

<210> 6803

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6803

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ttggactggt atggccaata aaaacgaagt ttaggtcaag tcttgtcagg atagcctgac	180
taaaaacatc tggctcctta atttaaaata gttcagacaa ccagattctt gctgtgtttt	240
atgttaggtt aacacgctga actttaagaa gctgtagact gcagtttggt gttatgagac	300
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tggtaaaatg gggagtcgct tggattgtag taacgacagt tatcaaaaat tttggtcata	420
tctgccacaa attccgtcag cttttcataa tatcgncttt ggactcttcc ttccatgggtg	480
gcaagggtcca tanggtcctt aataccnccn taataatctg gngcatcatt aggggctact	540
gggtcaagga aaggcc	556

<210> 6804 .

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6804

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ctgacctaca gacacttttt agaaaaaagt attactagaa aggaacctga acgtacaata  180
gtgtcttctt ggggaccatg gattcccttg agactccagt gaatgctttg gacactctac  240
ccagataaac tcacaatcaa atacttgctt ataatttcaa aggatcctat gaccctctgg  300
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aactgcccac cccccagcag tcgccaggca cagggtccg gaaatgggca ggcagatcca  420
cttcagcgtt gcatatttnc aagacaggat gaccctcatt tccatcacag gttgnanggc  480
cttgtggcaa ggaggaatgg ctgggcttgg ttaaaggga agtcncagga aagaaagang  540
ggtccttgca gttnaaa                                     557

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<210> 6805

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6805

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aaggaaaaca ctacccta at caaaaggcca caaatgtat tcacagtaac agcttccact  180
tactgggttt tcttgccagg catggggtaa aatagtttat acgcatcatc ttatttaatc  240
ctcagaataa ctcaataagg atggtattac taactcccat tttaaagagg aggaaactga  300

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cacttaggaa ggntaaatac ttgccccaaa gtttcctagc aacccaaatc ctgtcttaac 360
cacgatgctt caacagtcaa ctttccaatt ttignacngn tttatgact tttggcctct 420
atcacttatt tcttgatgan ggtaatggnt cttctaggtt tttccccagg ctttaacatt 480
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<210> 6806

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6806

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actacaatac acgtatggcc accacatgtg gctttttttt tttttttttt tttttttana 180
aatgaggctt cgcttttttg tcccgctgg tctggtactc ttggactcaa gtgactctat 240
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tagacattca taaatgtata ctcttacaca tttcactgtg cttttgagta gtgaaataca 360
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tggtagcatc acgtataatt tnaataaata attacnttat ttgctggaaa taaatcaatt 480
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gcagc 545

<210> 6807

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6807

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 ataagtctaa ttttccatt tggagatatt taccctttat gtttcaagaa tgatttgaca 480
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<210> 6808

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6808

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 atgtcttttt tatttgaaaa atttaggcat agactttttg ctcatctcaa atctgggtcca 180
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 tgtatacttg tcttatgaac tatttaaagt tgtcaggatg aaataaaatt accgtgcaaa 480
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<210> 6809

<211> 566

<212> DNA

<213> Homo sapiens

<400> 6809

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gtgaagtaaa aattcccttt catctgtggt caagtatgga aaaattatga aggtcctcat 180
taaatccaca ttttttaacc cattaaatta tccttataaa aattcagata aactactgtc 240
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ataatcaggt aacagcagaa acagatagtc tagtgaattt ccgagagtca aaatatgcta 360
ctttgatgct tattaacac tgaaaacttt cacaatacta actccagtta agttggtgag 420
gttaaaaatg actaaactaa aaataatggt caattaaaac atccacagg gatctactgn 480
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<210> 6810

<211> 510

<212> DNA

<213> Homo sapiens

<400> 6810

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cttctccanc atctcaccca ctttctctcc ttctcaatct cctgctccca cctccagcac 180
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ggctacctgc ctggctttct ctctcctggg ctaggggctg gggaggctct cgngctcan 360
tcctggccct gcantatccc aacaccctgc tctggggctg tctccacagc caaaggctaa 420

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cacaagancc agcttactca cttgccaaca 510

<210> 6811

<211> 466

<212> DNA

<213> Homo sapiens

<400> 6811

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gagcgagacc ctctctcaaa aaaccaaaca aatgcagtgt ggttgctgga tgggggtccca 180
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agggaggcca gtgcagggtc cacggggact acactgtgtc tgctacttct ttttttcttt 360
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<210> 6812

<211> 566

<212> DNA

<213> Homo sapiens

<400> 6812

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atggttctgt atatatttta gaatgatgcc ctttgtgttt gatccacaaa aaggagagaca 180
tccagagctg aagagttttc cctgagaatt ttgtcaagag ctagaagaga aagggaaga 240
agtacatgaa caactgcata tggatgatatt cactcttaag tctgctatac agaaatttaa 300

ggggtggggg gcggtgggta tagtgtggag ccaggaaccc aaggaagcct atccatagtt 360
ccacatcgct gatgtaattc ttagtatatg gacacttgaa caattcaata tattaataag 420
tctaaatttc tatctggaca aagggtctgg ggtaaggagc tgggggtatt ttggttcctt 480

atatgttgcc gggaagtcag ggaccccaaa tgganggacc ggttggaacc ntggcnnagg 540
aacctaaatt ggggaanatt tcttgg 566

<210> 6813

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6813

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gaaagcaggt cagaaaggag ccattggaac tatgttgaca acagcaccac atctcctact 180
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gaattgaatt ccttggccag gagttcatat tcttttgctt tcactgaag caatgagtca 420
ctgtatttaa tctctttctg gatgccactc aaatgagagt gaattttcaa accagctttc 480
atgcttttct ccaaatacaca cttaacactc tctaaattag agctttncag tcacttgcag 540
ctttcccttt cgcatnttt 559

<210> 6814

<211> 560

<212> DNA

<213> Homo sapiens

<400> 6814

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cctggtcctt ttaagcatat gggttttcaa atatgttaga gcacctaaga tataaaataa 180

taagatacaa aaaataatac atagctctta gctagatcat ctttaattgaa aacttactgt 240
gtgtgtgcta gacaccatit ttaaattctt ttctttttta acttgnnttt ttttgagaca 300
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gcacacacga ccacacccaa ctaaattttt aatttttttg taccgaagg gnccttgctat 480
gttgaccagc ttgggcttga gctcctaacc tcaagggatc ttctacctta agccttccaa 540
gggttggaac acaaattgggc 560

<210> 6815

<211> 565

<212> DNA

<213> Homo sapiens

<400> 6815

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actccttctt gaagctcggg atcgaattat aatcctgtga gcaatcatta ggtgcataag 180
aacttgtgtt tctctgtctc aggtgcactc tcagccctgt gagagatgag taggatctgg 240
agtccagaag atcttggatc atttactgaa ctcttttagg tacacaattt cttcaatcc 300
cttcaacaac tgtccccgtt tgatgagaaa ctaaagctca caagaggtaa gaggctgagc 360
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tttctgctca tgcctgtagt gtgcagcaaa tgggggctgc tcaaagcagg aaccccggta 480
aagtgggaac catgggtatc ccgggcttca anttcccacc caacctgggc ttttttggcc 540
aggtccttcc aacccccaaa tggct 565

<210> 6816

<211> 561

<212> DNA

<213> Homo sapiens

<400> 6816

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aaataaagaa aaacctttcc atccaacttg aagaaaaatc agaaagtatt tttctccatg   60
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tgtgaattca tttccgcata gtcggaataa tttttgctcc aaattcttaa aggagacaat  180
gaattagtag cttgtaaatt ttgcagatct gggccttcaa taacttagta gaaggcaata  240
aaatagaggg aaaaatggga ctgtggatta caactgttca aatttcatct taatttcttc  300
tatttttctc aaccatattt cttctatttt tacaatcatt attaaaatat ttccctaaag  360
aaatacaaat gggtaaaggt attgaaagtc acatttcttt atctgaacaa gtattaagat  420
tgtccatcat ttcaagacaa aggttttctt aacagtgaaa atcacaggaa gaaagtaatc  480
aggtantttc atagatccaa ttatatggna gctgnctggt tttcacattt caaaataagt  540
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<210> 6817

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6817

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tgtaatcgct ctatcaaact actacttact gtggaaaggg acctctcaat ataactggga  180
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tactaacagc atttcttagg ttctgcccac ctttatagct ttatagaact ccaaaccact  300
tgacctctta gaagtacagc tctgttattg atattttgaa aatgatcaga taaaatcaga  360
agaagcaaaa gcataatata gtccaaggtg tttcctgngt agtttcctaa actcagaaca  420
    
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acacaggaaa gtttccctct cttcactaaa atccangcct tcactctatc ttgcanggag 480
gaggacancc tcagttggat agtaaaaaaa gctttancct cantttggnc ccttancatt 540
agctaa 546

<210> 6818

<211> 574

<212> DNA

<213> Homo sapiens

<400> 6818

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tgtggatcct aaccttctag gaataaacta tcctaagtgt gaaagattag ggaaaaaata 120
taaccaaaca ctcattttct tctaaaatgc tttctctgaa atattttgaa gaacaaggaa 180
aataaaatct taggatccaa aactcactat gccaaaggaa aagtcaggaa ctgagtcatg 240
ctaatactac cttccttttg ttcccaaaga gacagctgta attcacaag ttgcctatc 300
ttaggtaaaa tgtagatcta ccacgcacaa gacaaatgca caatcaactt tttctccatt 360
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tcttccctca ctgnctttcc tccctttctt tatectccat ctacttctgg ctgggctcac 480
ccctataaat atnggagtca gcaaaacctt tttggaaaaa gcncaggccc aaancctact 540
gngacttggg gtctttatcct taacttggga aaaa 574

<210> 6819

<211> 531

<212> DNA

<213> Homo sapiens

<400> 6819

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gttatgtatg gaagaatgta tgttaactct ttcaggacat aagcccaaaa gtcaacagaa 180
 atttgaattt tttttttcta ttttcatgct gaaatttaat tcatcatgaa tttgtttcca 240
 agggatgaaat tttctttcct caactttttac atgactttgt aataagagca gttgtacggg 300
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 gggctggcgg cttttaaatt tgcattctga gctgantgna tctgctgatt tcccatctgc 420
 taatattttc ccatctgcta aaacctgntt ccangggaaa aaggcctctc tggctttctg 480
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<210> 6820

<211> 570

<212> DNA

<213> Homo sapiens

<400> 6820

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 gggacattta atatgagctc tgcgttggtg attactttta tcgctaagct ggtattacaa 480
 aattctatga gacaagtta ctaaccctt tactgngaaa aaaccttggc taaccaagat 540
 aactggctcc aaaagcnaaa atgcgggaaa 570

<210> 6821

<211> 583

<212> DNA

<213> Homo sapiens

<400> 6821

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gttatagggt ctacattttt gtcaaagtgt gtcacaaaga tttaacgata taaggaacaa	180
tggtactctt gtatgtttgt tgaaattctt caccttattc aagtacaaat ctattgaaaa	240
atagaaaaac taccaagtc attatgccga ataataataa acaacagggt ttatctaatt	300
cttaatcctg agcaaaatac attgaggaag actttctgag aggactggga aataaaggag	360
agaaacagat aaaactcaaa cgaggtgatt aaaaagaccc caacaggtaa gttttactgg	420
ctagaatgct ttcctttgca ttggcacttt tcagaaaggg gggatttcct cagacctcgg	480
agagggtttc cagtanccta agcggtcatt taanggttg caatgacctg nggaaatttt	540
ncatnttacc cgcagccttg gccgggtact ggaaggcaat gnc	583

<210> 6822

<211> 576

<212> DNA

<213> Homo sapiens

<400> 6822

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taggttgaga cgagagagcg tggaatgaga gaggaagggtg tcaattaaaa aaatgaaccc	120
cactgcatcc ccctcttgac aggtgggggtg agtggagctg acagccgtcg cattagctgg	180
ctttggtgga accctcatgc cttgtgggtc ccccgagctc aaaaagagtg attccagggc	240
cagcggacac actcacacat ttttacttgg tgttccaatg cctccccgc agctatttct	300
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<210> 6823

<211> 576

<212> DNA

<213> Homo sapiens

<400> 6823

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 aaatatgtta agtccttctt ggnttttttt tttcatattc actctctgga tgggtcaaatt 480
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<210> 6824

<211> 538

<212> DNA

<213> Homo sapiens

<400> 6824

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<210> 6825

<211> 569

<212> DNA

<213> Homo sapiens

<400> 6825

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 aagacttctt ctatgtttac ataagccatc agacacatac aaccactcac ttggtggctt 420
 tgcgttttct tgaaanggtt gaaggagag aagagagaat ggaaccatta aatcaggttc 480
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<210> 6826

<211> 534

<212> DNA

<213> Homo sapiens

<400> 6826

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ctctactgct tgtttcccat tattacaggt tgggtatccc ttatctgaaa tgcttgggac 180
cagaagtctt ttanactttg gtttttttgt gtgttttga atatctgtat tatatttact 240
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cagtgtcatg tcagtgttg atatggtttt gctctgtgtc cccacacaaa tctcatgtca 360
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gacttcccc ttgctattct gggtagttag tcttgganat ctggggttgg aaagtgtgca 480
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<210> 6827

<211> 565

<212> DNA

<213> Homo sapiens

<400> 6827

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<210> 6828

<211> 573

<212> DNA

<213> Homo sapiens

<400> 6828

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ttaatagtcc caatcgagaa tgtaattttc aaattagatt aaaaatggcc ctggtccttg 180
gagaaaaggc tgattctagg acaagggcat gaaatataca agatgaactt gaagcatctt 240
gtagtgccag aaaggaaatg cttaaaaaca aacaaaaaga cccacaatg acaacaacag 300
tatatatgtt aaacacagga ggccaggcgc ggtggctcac acctgtaatc ccagcacctt 360
ggaggccaag gcaggtggac cgcccaagct caggagtcca agaccagcct gagcaacata 420
gcgaaaccct gtctctatca aaagtacaaa aaattagcca ggcgtgatgg aacatgcctg 480
naagtccaag gtattcaaga agcttaagtg ggaaccttgc ttgcattcca ggaaggggga 540
ngttccnnga gcttagaaaa tgnnccttnc ttc 573

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<210> 6829

<211> 577

<212> DNA

<213> Homo sapiens

<400> 6829

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ccacaggcat gagccaccat gcctggtgaa tttttaattt tctgtagaga cggtatctca 180
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aagaaaagta gggtcataag ccagagagaa taaatacaca tgtcattgat aattagaggt 360
atgaaactgt gggaaaagaa ttaacaagag tcatctacca tagagaagga agcagctgct 420
tgttccagta atcccacaag tcctgactca agtaaaggat tttccagagc agatccttct 480
tcatctngga gatcccatn atntgagaac cgcagaatct ttttaaaaca ttngattgaa 540

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aaantttgga aaggttccca ttnccccagg aagaatt

577

<210> 6830

<211> 498

<212> DNA

<213> Homo sapiens

<400> 6830

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gagtctcact ctgtcaccag gctggagtgc agtggcatga tctcggtca ctgcaacctc 180
cgcctcccg gttcaagtga ttctcctgcc tcagcctctt gagtagctga gattacaggc 240
acacaccacc acaccagct aatTTTTgta ttttagtag agacggggtt ccccatgtt 300
ggccaggatg gtcttgatct ctgacctca tgatctgcct gcccagcct ccacaatgc 360
tgggattaca ggcgtgagcc accacacctg gccaacatct atctcttaag tccacgatga 420
tttctgggga tcttgnccat ccacaggtt tactggaaac cgnaaactat ntaccggcnc 480
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<210> 6831

<211> 536

<212> DNA

<213> Homo sapiens

<400> 6831

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taatagaagg ttagcttttt ttgttgnntt tttttatitt tttgcacatc ctttttact 180
ttacagtaca tttgactata gtgcacaaca tgattccgag tcaaaacagt ggccattgg 240
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caaccatgtc cggccaaaat ggcactaccc agtggtagtg aaccatctaa ttaaaaccaa 360
 aactccccca gggaaaatgc tacactatca gagtcagtct tgagtcagat ctttatttgg 420
 ngctccatcc agatatattt tagngctttc tctttacgan gngagtatgg tacacgatgg 480
 cccagctttt tggagtcnac tgggttttct tttttaatta gtcaatttnt ttngnt 536

<210> 6832

<211> 564

<212> DNA

<213> Homo sapiens

<400> 6832

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 ctacaggcgc ccaccaccac gcctggctaa ttttttgtat tttgtttagt agagatgggg 180
 tttcactgtg ttagccagga tggctctgat ctctgacct tgtgatccgc ctgcctcggc 240
 ctcccaaagt gctgcgatta caggcgtgag ccaactgtgtc cggcctaatt tttttatat 300
 tngngtaaaa tatacacatg aaaatttcca ttttagccat ttttacgtgt acaattaagt 360
 ggcattaata gacaatgtgc aacgggtccat ttccagatct gaactattct atcatcccaa 420
 actgaaactc tgiatccatt aaacagtaac tgatcattgc ctcttccccg taacccttgg 480
 taacttctat ttctggctct atgaattggc tactccagtt acctcatatt aggggaacat 540
 ccatattgn cctttggggg tggg 564

<210> 6833

<211> 564

<212> DNA

<213> Homo sapiens

<400> 6833

gagacagggt gtcactctgt cacctacgct ggagtgtagt ggtgctatct cagttcactg 60

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 aaagtgttg gattataggt gtggccacta cacctggccc attgaaatat cttgaagtgc 300
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 accatgcaat ttttatcact aaatttattt gtaaataatt ctgccttatg ttatgtaaaa 420
 ctctctaaag gaatgtgaaa atgattataa atcatatcac aattaagaat gaggaacaaa 480
 caacacaaag aaaattattt taagaattac atacccttac catttacaat agtggaccat 540
 atggttatag taaatcacat taat 564

<210> 6834

<211> 338

<212> DNA

<213> Homo sapiens

<400> 6834

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 cctacctcag cctcccaagt agctaggatt acaggcatgt gccaccaagc ccgactaatt 180
 tttgtatttc taatagagat ggggtttcac catgnggccca ggctggtctt gaactcctga 240
 cctcaaggga tccactcacc tnagtttctc aaagtgttg gattacaggc atgagccact 300
 gcgcctgacc aattntngna tttnnattag agacagng 338

<210> 6835

<211> 569

<212> DNA

<213> Homo sapiens

<400> 6835

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 gtgctgggat tacacgcata actgccttct tatacccatt ttacttcaaa ttctcatgag 180

 aatagcttct atgattatit gtccctttga tagaataaat tatgttgaca gatttcctgg 240
 taaaaaatca tcattacatg tctgaaataa actctagtgt tgatagtcta gaattctttt 300
 gatacaatgg cagattcaat ttgctaatat tttattttta cttttgaatt tatattagt 360
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 aaaggntctt attttgattc acaaggtggt tctttaagtt tntcaaaaa ggataaacta 480
 gnatctcctt tcattctgac atggtggang ggcccttggc tganaccang gtcctggant 540
 ggaagtnttt ggcaccgggg aacggnntc 569

<210> 6836

<211> 570

<212> DNA

<213> Homo sapiens

<400> 6836

acaatttcac agcccacggt gagataattg agaccctgct gttcctggaa gcactattta 60
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 ctctcccttg acccactagg gagagaatga gggagagaga aagaggtgaa acttacatta 180
 aacaccctt cttaccattg ggaaacttcc cttcttatta ttctttggta attttttaa 240
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 gtatgctata cagaatatta gtaaaaatta aatgaaaaaa taggacaaaa tccatcactc 420
 ataaatccac ttttagagat gatttaaagt gtaaaactaat gatttcaagg catggtttta 480
 agcctgggaa ccccttattc aagcttacc aaaatggtat gaancaggtg gaaacatgga 540
 actggtctga agnggtggca agggggggna 570

<210> 6837

<211> 571

<212> DNA

<213> Homo sapiens

<400> 6837

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 cacatcaaaa tgagaaatgc acagtttaac cgttcaacag ctggccttac ttcaaaagaa 120
 cactatattc atattaaaca ttacagtct ttccatctaa ctttacacat gtcctaaatc 180
 attttccagc acttctcaca tagaagtcta gttttgctct ttaaaatcac catctgtatc 240
 acccctagta gaaacgaggg ttccccaat tacatgctga agagagccag ccaccacccc 300
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 gtctcgattc caagaactga ttatctgaca ctagtgaacc agcactaaag gctgtaggat 420
 gtgactacat cacagttcca gaaggaaggg gaccatggcc aagagaagcc ctaaagaca 480
 gaagctcatt aaaancaagt ccccaaacct tctggaacat cgtagcaagg agcttctggt 540
 ttccttctta acatngtttg gctgaccccc n 571

<210> 6838

<211> 575

<212> DNA

<213> Homo sapiens

<400> 6838

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 gaaagccatg tgccttcaag cctggggatg aggactctag ttctcaaatt cttagaacat 120
 agcacatgat tctccagggc agagaggctg gctggagaat gaggacctca ctgctgactc 180
 tgcttaacaa agtccatgcc ccaggcacag gcacacatgg aatgaggcca ccaagcaagt 240
 cacacccacc cctgttccca tgaaccccat aagagagaag tgctctctga agtctacaga 300
 cttggcaggg accactggac catggatagc ttagagacag ttattctgtg gccaatgaca 360
 taaaacctcc agaatctggg ccctacagtt cccttatcca aatttcact aactagggag 420

gtagaagagc aagacatgga agttgtctcc aaaccagtat ttggtcttca gtaaacaggg 480
 ataaacataa aacactgggt cacaagcaga cticanactt ctgggcacag caggtggaaa 540
 aatccttaag tcccactgac caccttccac aggag 575

<210> 6839

<211> 580

<212> DNA

<213> Homo sapiens

<400> 6839

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 tgggtcaactc caccacactt cactctcaaa ggaaaggcac agggggaagg aagtgagtga 180
 gggggctcag aagagtctgt gtggctccta ccaccccaaa catattctgg ttcccgaag 240
 ataagaggca aggcttgctc tgatctttcc cagttctcag agtccagcag gccgctgtgc 300
 tggacacata catggatcca ccaacataca tcagtccttc tgtgttctct cctgcatgg 360
 agaggctgga agcctaagag ctatattcct cagaatttcc tgccagccag gatttgcttt 420
 aaagtccact aatgagaggc acttctagaa accatgattc cttcttcagc agtggcagac 480
 agtaggcatg aaggttttgn aacatcttct gagcanttcc cagtccataa tctgnttttg 540
 ggcttggttg aacttganac ccttngccgg gagttttttn 580

<210> 6840

<211> 575

<212> DNA

<213> Homo sapiens

<400> 6840

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tacaggtgtg cactaccacg cccatctaata ttttgtatatt ttagtggaga tgggtttcac	180
catgttggcc aggctggctt ctgacctcag gtgatccgcc cacctcagcc tcccaaagtg	240
ctgggattac agatgtgagc cactgcgctc agcccttttt tgtcttggaa gtagcagtca	300
aggccatctg ctaaaagtaa gaacagataa atttgagatt tgaagagaat aaaggtttaa	360
aattactgct atagaaagcg ggagaataag ttgaaagtag aaatttcaca ggattaccag	420
gcaacattga gacctgaggg ttggtgatca agaatttaga gaggnattat cccctcttnc	480
ataatggng aactttcttn aagccatain tacacagaca gttgggctta caaaggcttg	540
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<210> 6841

<211> 560

<212> DNA

<213> Homo sapiens

<400> 6841

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ttacaggcat gcactaccat acctggctaa ttttgtatatt ttagtaaaga cagggtttct	180
ccatgttggc caggctggc tcgaactccc gacctcaggt gatctgcctg cctcggcctc	240
ccaaagtgtt gggattacag gcaggagcta ctgcgcctgg cctaacaaac tgacttttta	300
aagcttcaag ttttatcttc taagatatgt tccaaagatg tatgttttta aataggatat	360
attccaaaat atcttactta aatgcttcaa gtatatcgta agtaagtatt aaatcacatt	420
ttaaataat caaatgtggc tgggcatggt gactcacact tataatctca gcactttggg	480
angcttaggt gggaggatcg cttagagcca aagttcaaga ccaacctgng caacgtatgg	540
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<210> 6842

<211> 566

<212> DNA

<213> Homo sapiens

<400> 6842

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gggggtgggg ggcagagtct ccctctgtcg cccaggctgg agtgcagtgg cgcgatcttg 60
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gctaggacta caggcgtgtg ccaccacgcc cggcaaattt tttgtatttt tagtagagat 180
ggggtttcac cgtgttagcc aggatggtct cgatctcctg acctcatgat ccgcctgccc 240
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ttaaatgtca accatgacag ggcagatgag acaaaactaaa attacttttc atttcaatta 360
tcaaaaacaa ttagatctat ttcaagaaaa tatttttgct aagtaaattt tcttttaata 420
gctttaatct tataatacac atacatattt aagaatttag tggatcaca aaataattat 480
tttattattt ccacctaaag gataatgagt ttggctaata tagtctnggg gttnaaattc 540
agcttaaccg cattntnaat tnggcn 566

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<210> 6843

<211> 503

<212> DNA

<213> Homo sapiens

<400> 6843

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cctcaggtga tccacctgcc ttggcctccc aaagtgtggt gattacaggc atgagccacc 120
atgccagacc taaagctgat ctttttaaag aggaaaaaca aaccaaccag gggcctgagg 180
atgtctgggt tgggttcttg ggaagtggac cctgaaaggg tttgcaggcg acggctcctt 240
tgggaggggt cccagaagc acaggagggc actgaggcag gaggggaggc tgtgccagga 300
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agcacacgcc acagacagca tggcccatgg cggcctcgga ggaacttgaa agggtcctgg 420
gtacagtgca agtnggaaaa gaaggggcag gaatcccagc ctggccancc canatgggaa 480
aaccannntt cggggcctan gcc 503

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<210> 6844

<211> 498

<212> DNA

<213> Homo sapiens

<400> 6844

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caagctccgc ctcccgggtt catgacattc tcttgccctca gccacccgag cagctgggac  120
tataggcgcc cgccacaacg cctggctaata tttttgtatt tttagtggag acgggggtttc  180
accatgttag ccaggatggt ctcaatctcc tgacctgtg atccaccacc tcggcctccc  240
aaactgctag gattataggt gtgagccacc gcgcccgcacc caaaatcttc tttattattg  300
nttttttatt tttatttttt gagacggagt ctactctgt tgcccaggct ggagtgcagt  360
ggcgcgatct cggtcactg caagctttgc ctctgggtt cagccattc tcctgcctca  420
ggaggtcaag atcancccg nttgacatatt gaaaccctgg ntctatattt ttaccaatna  480
aaacttcnaa tnanggtt                                     498
    
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<210> 6845

<211> 568

<212> DNA

<213> Homo sapiens

<400> 6845

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acaaactccg cctcccgggt tcaaacgatt ctccgcctc agcctcccaa gtagctggga  120
ttacaggcat gcgccaccat gcctggctaa ttttggtatt ttcagtagag acagggtttc  180
tccatgttag tcaggctggt ctggaactcc cgacctcaga tgatccgccc acctcggcct  240
cccaaagtgc tgggattaca ggctgagcc accacgccc gcctaaagaa atctttaaaa  300
atattttctg gtgctctaca tgttcagaga aatttctcta gtaatgaact atagaaatga  360
    
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ttcctgaaag tacagtctta acagcaccat ttaaatacagg ggtcctatgt atggtcataa 420
 ctagccaggc ttttaagaggt ttgcagctna cacaggcgaa ataaaaacca ggagtttggt 480
 gtgcatgaat acaaaattgg ggnaaggctt tgaagaaaaa gtccatggcc tcatcatatt 540
 cccaagaagn tgnagcncc aaaaannt 568

<210> 6846

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6846

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 accacaggcg tgtgccacca tgcctggcta atataatttt ttttttttt tganatggag 180
 tcttgctng ttgccaggc tggctttgaa ctcnggcct caagngatcc tcccaccttg 240
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 taaaacagac tatcagaaaa gaaaagtta gagaaattgt ggaaacatgc cttagggttag 360
 ggccttccca gcttgccgtg agagggccct gcctgcctcc gcacctagga agcacaggcc 420
 cgtcaggtgt gaatgtcccc ggcctgtctt ctccctntca naacaggcca ccattatttt 480
 tctttganat ttggctacac tggctttttt aancctcttt tggctatgct taangctntn 540
 t 541

<210> 6847

<211> 578

<212> DNA

<213> Homo sapiens

<400> 6847

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caacctctgc ctcctgggtt caagtgattc tcctgcccc a gcctcccgag tagctcgat 120
 tacagggtgtg tgccagcaca ccaggctaatt ttttgtatTT ttagtagaga cagcgTTtca 180
 ccatgttagt caggctggTc ttgaagagaa ggatacattt tttaaattac ataattaaga 240
 gagaccttgt gctataagag aaacaagact gacaataatt ttaaaaaaca gcataacatt 300
 ataagttgta ctagtttgga aaaaagcaca actctctccc ttgntcctta atttagcttt 360
 gatgttatga cacatcatat aaactgcagt attccatgta agttaagcac aaccaatta 420
 tttacctgaa taaaattaag gccaaacaaa atggaaaaca tatttgccat ctaatatTtc 480
 catggtnggt ggTTaaggTt catgaagctg ncntattgaa gaaagaatca gaattgtaag 540
 gcaaaaatag gtctaagtta gaagaatgcc tttgggaa 578

<210> 6848

<211> 578

<212> DNA

<213> Homo sapiens

<400> 6848

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 aagcaaactt caagtcagtg aattagttac cacagttaaa atgcatttga ttttgcctt 180
 ttcttttttc acaagaacga cagctgaata ctctttcatg tgatgcctga ttttttctt 240
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 ggTtgagtg cagtggTgca atcttggtc attgcaacct cagcctcctg ttttcaagtg 360
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 taatttttgn atttttagta gagaaggggg gtttcacat gttggccagg atggTctcga 480
 actcctgacc tgaagtgatc caccgncTt ggcctccaaa ggctgggaat anccgngtga 540
 gccctgtgnc aggctctgag gtggaaattt tctgttac 578

<210> 6849

<211> 585

<212> DNA

<213> Homo sapiens

<400> 6849

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cctaccaatg ggcttagctt ccccaggaac caggaaattt tactctccca cccctataac  120
cactgttgca aaatggcttt ctctccact gaccaggttt ctcatgcca ccctttgcta  180
ggtaaagagt agtaaaagag aaaatggcca atgaaaagga gggggaaaca ctttttaaaa  240
ataactatat tttcaggaca ggctctgtgt gagatacact ctaacgtggg gacacgccac  300
agtcctcagt ggccccctgcc catcctccca actcactgta cagaaacact ctatggaggc  360
caatatttga ttctagaagc cagtgtccct caaccaact tctgcaactc cataccaac  420
aaatgatgct caaaaacaaa agcagctatt ttaagatcac taaacactgg ctggtgatgg  480
caaaactggg gctttcctta ttcttttctt cattttgctt ttatcaggcc ctggccttct  540
actttcntaa aangaattta ctccaaattn tngggaagaa atctt                    585

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<210> 6850

<211> 588

<212> DNA

<213> Homo sapiens

<400> 6850

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gtcgtttgtt gcacctatca acccattatc taggttttaa gccccatata tgtagctat  120
ttgtcctaata gctttctctc cctcaccba ccaaccgccc tcaagtcagt tttctaagag  180
tattaatcaa gaaaccatct cataatcaca ccaaagcata tttctacaca agatataaaa  240
tactaggata tttgctaaag ataaatgcat gccatacact gtaacaatgg aaatgacttc  300
ctacaggata acaatgctaa aattaaactc tttgtaatta gtaaagatga acatgtgggt  360
aatatatgtt atatattttt taaactattt ttgcctcag taaagagaga gcttagatac  420
cttgtgtcat aaaataataa agcaaaaata acatttctat gtgaacattt ttaaaggttt  480

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taaaattcat cctgggctgg gtgtaatggc ttgctcacc c tgtaatccag cactttcaga 540
agcttaaggg ggtgnatcac ttganggcag gagtcaagac cagcccgg 588

<210> 6851

<211> 578

<212> DNA

<213> Homo sapiens

<400> 6851

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gagagctttc acctccctgg ttagctgnat ttctaggtat tttatTTTT tttgnacata 480
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<210> 6852

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6852

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tctgccatca tgcctgtcta attttttgta ttttagtaa agatagggtt tctccatggt 180

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ccccagatcc ttttaaaggt ctctaattct tgaaagtttg gtacataact ggtcatactg 480
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<210> 6853

<211> 575

<212> DNA

<213> Homo sapiens

<400> 6853

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gaaaataaca taataacaac aataatgaac aaagcactta gcatgtgcca ggcaactgttc 180
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<210> 6854

<211> 486

<212> DNA

<213> Homo sapiens

<400> 6854

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accgatagca cacaaatatt caacctcatt aataatcaaa ggattaggat gcacttcttg	180
cttattcaat aaagttaata atttctaatt tttctacttt tcaaattgtac tcaaattgtgc	240
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caatgcagaa atcataaaca gcattaaaat gaatcaacac ttgtatgggc agtaagggtc	360
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<210> 6855

<211> 573

<212> DNA

<213> Homo sapiens

<400> 6855

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actttttctt catcaactta gggcctgggt tgtaggcact gtggctcttt gggatagtta	180
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<210> 6856

<211> 583

<212> DNA

<213> Homo sapiens

<400> 6856

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cacaggcata caccaccatg ccagctaata tttttttttt tttttgtaga ggtggggggt  180
tcaccatatt ggccaggctg gtctcgaact cctgagctca agcgatccac ccacctaggc  240
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aaaggagatt gaattttatt gacttccttt tctgcatcaa ttgagatgat catttgggtct  480
ttctccttta atctgcaatg tgggtgtatt tggtaataga tttttgatg tggaatcatc  540
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<210> 6857

<211> 582

<212> DNA

<213> Homo sapiens

<400> 6857

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ggcatctgtt ctgccagagg actgaccctt tgtgctccac atatgttttg ccaggaaaca  180
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tgctttggtc agtcagctgt tagtcctggg gctcttgctt cctctgtggg ggtagcatca  300
gtcacccata agttctcagg ccgccgctag ctagtgagtt acaagatttt agaaaccagc  360
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tcttgtccac agatcctcag gcccctgggt cttggatcca gaggcgtctg aggtatgttc 420
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<210> 6858

<211> 577

<212> DNA

<213> Homo sapiens

<400> 6858

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 caggcgagca ccacatggc cagctaattt ttctattttt agtagagacg gagtttcacc 180
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<210> 6859

<211> 589

<212> DNA

<213> Homo sapiens

<400> 6859

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<210> 6860

<211> 574

<212> DNA

<213> Homo sapiens

<400> 6860

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<210> 6861

<211> 586

<212> DNA

<213> Homo sapiens

<400> 6861

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<210> 6862

<211> 582

<212> DNA

<213> Homo sapiens

<400> 6862

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TTTTTTTTTT TTTTTTgag acggagtctc gatctgtcac ccaggctgga gtgcagtggc   180
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<210> 6863

<211> 588

<212> DNA

<213> Homo sapiens

<400> 6863

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<210> 6864

<211> 585

<212> DNA

<213> Homo sapiens

<400> 6864

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<210> 6865

<211> 576

<212> DNA

<213> Homo sapiens

<400> 6865

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<210> 6866

<211> 564

<212> DNA

<213> Homo sapiens

<400> 6866

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<210> 6867

<211> 574

<212> DNA

<213> Homo sapiens

<400> 6867

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<210> 6868

<211> 576

<212> DNA

<213> Homo sapiens

<400> 6868

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<210> 6869

<211> 583

<212> DNA

<213> Homo sapiens

<400> 6869

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<210> 6870

<211> 577

<212> DNA

<213> Homo sapiens

<400> 6870

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caaatatgg gtntcaatc cttgggtaat aanggga 577

<210> 6871

<211> 575

<212> DNA

<213> Homo sapiens

<400> 6871

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<210> 6872

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6872

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<211> 588

<212> DNA

<213> Homo sapiens

<400> 6873

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<212> DNA

<213> Homo sapiens

<400> 6874

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<210> 6875

<211> 589

<212> DNA

<213> Homo sapiens

<400> 6875

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<210> 6876

<211> 586

<212> DNA

<213> Homo sapiens

<400> 6876

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<210> 6877

<211> 589

<212> DNA

<213> Homo sapiens

<400> 6877

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<210> 6878

<211> 584

<212> DNA

<213> Homo sapiens

<400> 6878

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tacaggtgcc cgccacacgc ccagctgatt tttgtagttt tagtacagat ggggtttcac	180
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aatctgggtc aaagagttta acaggccttt actaagagcc cttttttga gagtncagtt	540
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<210> 6879

<211> 575

<212> DNA

<213> Homo sapiens

<400> 6879

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aaaattcagt taaaaaagtc attaaactag cattctgtaa agataattat taaacaaatg	180
gtaatgcatt ttctactcctt atttcatttc taacataccc aacgtcactt ctttcttgtg	240
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575

<210> 6880

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6880

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<210> 6881

<211> 574

<212> DNA

<213> Homo sapiens

<400> 6881

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<210> 6882

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6882

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<210> 6883

<211> 548

<212> DNA

<213> Homo sapiens

<400> 6883

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acgctgttta cacctgttaa ataatactt cactgattta ttttcaagt taaataatct	480
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<210> 6884

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6884

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<210> 6885

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6885

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<211> 537

<212> DNA

<213> Homo sapiens

<400> 6886

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ctcccaccag ctcccccttc acatacagct gagggatatgt tggccaattt gagtaagctt 420
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<210> 6887

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6887

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<210> 6888

<211> 544

<212> DNA

<213> Homo sapiens

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<210> 6889

<211> 548

<212> DNA

<213> Homo sapiens

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<210> 6890

<211> 555

<212> DNA

<213> Homo sapiens

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<210> 6891

<211> 550

<212> DNA

<213> Homo sapiens

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<211> 557

<212> DNA

<213> Homo sapiens

<400> 6892

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tggaagtgag gcacctt 557
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<210> 6893

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6893

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<210> 6894

<211> 540

<212> DNA

<213> Homo sapiens

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<210> 6895

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6895

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 gctcttctta agagaccctt ggtgggggtgt ggtagctcac acctgnaatc tctgcatttt 480
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 ggtg 544

<210> 6896

<211> 499

<212> DNA

<213> Homo sapiens

<400> 6896

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 tgttgttgtt gttcatggtt ggcaaaaactc tggccaaggt gtggccaaac cacaattcaa 360
 caagtcccgt ctgcttgccct acgttgagaa cttggcataa agggtagaaa aaggagagcc 420
 aggcatgggt gtgcgtgcct gtagcctann caggangnta angcanggat tgcttgancc 480
 caggagttca agggcacag 499

<210> 6897

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6897

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cacgcgtgtg ccaccaagcc cagctaattt ttgtattttt agtagagatg gggtttcacc   180
atattggtca ggcttgtctc gaactcctga ccttgtgatc cgcctgcctt gacctcccaa   240
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ttgttcacat ggccagccac cagccatgtt ggatgccctt ttatgcattt cacctctaac   480
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ttaaggcctg gcatgt                                     556
    
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<210> 6898

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6898

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ggactatagg cgcctgccac catgcccggc taattttttg tatttttagt agagatgagg   180
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atctgttttg aaaaccaaca tattctttta agtatttctt tttttgtaa ggaataattt   480
    
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attcttgntt cttggg 556

<210> 6899

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6899

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ttaattacat gacagcatag gataatgaat gagaaaaagc ccttggaac caaccaatnt 540
gaatttgaat ccttt 555

<210> 6900

<211> 560

<212> DNA

<213> Homo sapiens

<400> 6900

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ctatggccaa tgggccagaa atcagggcac atctgtgtac tcaggcaaca gttagaggtc 240
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 ttgttataag tctcaaatca gtacatgaga ttgtatgtaa cttgggttaa aaacaactat 360

 aegtgettte taaattatgt tgcaaagcca agacagacga atataattgt agcctcacta 420
 caacttgnng tcttaatatc tatgtcacag gacatgtta tanggtgaga cagaattatn 480
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<210> 6901

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6901

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 ggttcagctc tgggcagggc ttggccaggg acagtgtggg gaaaaagaga tggggactgg 180
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 aatgaagcag caagcccaag gccacacagc taggtcagca tcgtcacaca ctccggaacg 360
 cacagccaga cacacacaca cacaccctgc cagcacagc acgcaggcac acacacaatt 420
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 atcgaaaaaa atctcttttag agaggaaacg actggccttt tccttggtcaa ccnncaaaaa 540
 cgtggggggg aaann 555

<210> 6902

<211> 553

<212> DNA

<213> Homo sapiens

<400> 6902

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ggggaacaga aatagctgaa aatttatgta tatgtgtatg tatatatata tatacacaca	180
catctgtata tacatacatg tatatatcca aattatatac atataaagat atttgtagat	240
tcaagatata tagggattat atatctatat atattatatg tgtgtctatt tatacagata	300
tatatatata tatattcatc tttctgtgtg tgtgtgtata tatatccaca cacacatata	360
aaatctactg ttgcttagtg gtggaattct ctaattttac tcatacgcat attttgga	420
gcttatctcc aaaaggggca cattaatcga catggaacag aacccttctc ttctacttta	480
attaattcca ttttaaatta atnatttcta ttcttccctt ttaactanta atagccccct	540
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<210> 6903

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6903

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ctacaggtgc gtgccactgc acccagcccc taaggggtgc tagctttggt ctgggaaaca	180
gtgaaatgaa aaccacaagt cacaaaccac aaccaggcaa agttctgtgg ggccctccga	240
tgcattccaga gcacactgtg gggttgttat agtgaacct gaaaggctcc atggagatgt	300
tgatcttcac agtcccaaag attctgttat atccatgagg gatgcctccc ttccccata	360
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ctataactga cacatgatgt aaatcatata tggaagatgt tctgatgtcc atganggtcc	480
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<210> 6904

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6904

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ttcc                                                                    544
    
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<210> 6905

<211> 540

<212> DNA

<213> Homo sapiens

<400> 6905

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agatatataa aatgtggcaa aaatttttaa aaatatagga ccactatatt cttaaaatgt 180
gtgttcttct gtgtgtgtgt gttcattcat tcaagagatc tttgactgca attaggtagt 240
cggtcctata aaggcttcct tgtgtgacga taatttctaa aagtaaaatg ctccagttaa 300
    
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tattttctgct aaataatcat atcttaaaat tacttttaaag aaattccaat ccctcatggt 360
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 tcgacaatta attaggaaga caaaaagtat aaatcgcggtg tttattaagt agcagacaaa 480

 ttcttggctg gctcaacata ttacnntaaa gggggtnatt tctaattttg aaataaatag 540

<210> 6906

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6906

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 agttcatcag caagaaaata aaatgtactt ggctataaaa atactgagga atgttatcga 240
 aaaggaaagg ctatttggtg gaagtaacta caaaaataat tagtttaaat ctttgtaaag 300
 ctttaagtga agaacatcag tacactttct ttacataaac cttaaagcat gatcaatacc 360
 aagatttcaa attttcaact ttcaagtact tgaaaaaggg ttgcaacaaa gtgtctcttc 420
 ccaaaaaagc aagaacagtg atcatgcagg tgtaaatctg cagacatctg angacactgg 480
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 ttgaa 545

<210> 6907

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6907

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atcattcttt ctttttgaga cggagtctcg ctctgtcacc caggctggag tgcagtggcg	240
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cgagtagctg ggattacagg tgcttgccac cagcttgggt tttcattcct gagtctcttc	360
atthagcata atggtttcca actccatcta gattgctgtg aatgccatta tttcgcttcc	420
ttttatggct gagtagcatt ncacaagata tataatgncac gtttctttaa tttgcttgg	480
gaatggatgg catnnggcta agttccattt ttgcaantgg caaatggggc tggtttaaca	540
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<210> 6908

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6908

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atgatgtacc ttgggaaagg atagttccgt acagatcccc tagacttggg ggaagtcttg	180
gggcaaacca aaatgaaatt aagactacac gtctcaatat atagtgaata gccttgagaa	240
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ttttcaaata agtaaataaa tagacaataa tagtcgctgg tcccatagga gtagggattt	360
tgactcactc tctgtaggaa ttttcttata tagtattgac ctactatgac cctcaattcc	420
catacactat cccccggcat attgatatct acaacccttg gngggattgg tgaatgaaga	480
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<210> 6909

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6909

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ggctttttgg agaatcagag gatcctggna ttaaaagaac cgnaaatngg aaatggggat 540
actn 544
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<210> 6910

<211> 537

<212> DNA

<213> Homo sapiens

<400> 6910

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aagccaatcc aaaaatcgng ccttgcagga agcatccact ttccagntnc aagagctaan 480
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aggcaaatcc aagnnttctg gtcttcatga aagggtggaac ttaaattcccc caatngg 537

<210> 6911

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6911

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 caggn 545

<210> 6912

<211> 499

<212> DNA

<213> Homo sapiens

<400> 6912

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aanggccttt tccattnng 499

<210> 6913

<211> 528

<212> DNA

<213> Homo sapiens

<400> 6913

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<210> 6914

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6914

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 tttgangggg accgnaa 557

<210> 6915

<211> 553

<212> DNA

<213> Homo sapiens

<400> 6915

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 tccactatac tttataatta gntattgggc agatnaagaa aaactatagc ccgggccttg 480
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<210> 6916

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6916

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ttctgnccca gatcngaaaa aggtgagaat actgaaattg natntaaaag ggtgactaat 540
cattgactaa gnggacta 558

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<210> 6917

<211> 548

<212> DNA

<213> Homo sapiens

<400> 6917

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cagctggagc cagtatccat aggaacactg taatgtaaat tgcttggagg ttcaacgtgg 480

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<210> 6918

<211> 564

<212> DNA

<213> Homo sapiens

<400> 6918

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accaacaagc gtgctcacc tgcctccct cccgtgctgc ccgggggcag gcaggtgggc 180
aaggaggggg caggaagccc cccaggcctc acctcctgag tccccaatca gggcagggag 240
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gtggccaggg ctggaaaagg aaggggacag atgtcctctn tttccacca tnccttaacc 480
ttaaggga aaagagtaaa cccttaagga aatcacccca gtaaaaagtt ccaaatacgaa 540
atntaacctt aacttatttg agna 564

<210> 6919

<211> 560

<212> DNA

<213> Homo sapiens

<400> 6919

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gatacacaca acagcatgga tgaaattcaa aagctttttt ttttttttt tttgagacat 180

gatctcactc tgtcaccag gctggagtag agtgggtgcaa tctcagtttg atgtaacctc 240
 tgtctcctgg gctcaagcaa tctcccacc tcatctcct gagaagctga gactacaggt 300
 gtgcaccacc atgccagct aatTTTTTc atTTTTTt ggagacaggg tttcgccatg 360
~~ttgccagggc tggctctgaa ctcccagact cgagcaatct gcctgcctca gcctcccaa~~ 420
 gtgctgggat tacaggcgtg agccaccaca tccagcctca aaaactTTTT tagnaagtaac 480
 agaagtctgt tgtgaaaggc cntataattc tacctattga acattctaga aaaagcngac 540
 ttttaatngg gaacccatcc 560

<210> 6920

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6920

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 ataggcacc gccacatga ctggctaatt ttttgtattt ttagtagaga cgaggctctca 180
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 aaagcacctt ttgtatgtgg aacttgtcaa aagccctgca aaagtgtgaa gaattttatc 360
 tatgtccct ttctaactct caccatttat cattgacttt tacgtacaaa aaactattta 420
 ataccttctt atgtctgttt caaaaaataa ttttaagtga tcttctgaat ccttttctaa 480
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 acatctttta nggggag 557

<210> 6921

<211> 561

<212> DNA

<213> Homo sapiens

<400> 6921

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taaatgtact tcactgaatc ctaatttttt ggaaaactga tcagaagaca ctatctatgt	180
atcacatatg catatataaa tatccacaat caccataatt tgtgtatttt actaaccagt	240
ttaatacagt tttctggctg tatgagagtc aaaaatcaca taaaagctt cataaacata	300
tcaaaataat cttttgattg cattagggaa cgtaaataaa agagttcctg gagatattaa	360
gaaattcctg gagactccct tctgggaaaa gcacagaata gtagaaaagg cagtggggct	420
atgagttagg tgctggagtt ctagtcttgg ctccctaact actggcttga cagcaacttg	480
aacatattca aatctcttta agctttagtt tctctctata aaatgaagaa tgcngattan	540
ggaactctat tagnccccac c	561

<210> 6922

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6922

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gctcaagcaa tcctcctgcc ttagcctcct gagtagctgg gactataggc atgtgccact	180
atactcagct tagactgcta tttttaatct taaattggct gttatataag caggtcttac	240
cttatataca aacttcttaa aggctgagct attttacaat agctaaatac aatagcacca	300
agttgagtcc taagcatata aaagaacatg gatatttttt gaatggatct gaattttaca	360
tatatataat aattgtgtca ttactatctt taaaacatt atgtgattac attttcagca	420
tataagctaa tgacattaat ctaggcataa catctaaca agaaatggta agcagtggca	480
acataaacac aatttatatc ctaattcata ggactttatt tttattcctg aaaaaccatt	540
aaacattggn caaa	554

<210> 6923

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6923

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ctgggattac aggtgcctgc caccatgccc agctaatttt ttgtatTTTT agtagagacg 180
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gctcagcgct tctccttgct gctgccatgt aaagaaggat gtgtttgctt ccccttctgc 360
catgattgta agtttcctga aacctcccca gccatgctaa actgtgagtc aattaaacct 420
ccttccatta taaattaccc agtctcaggt atgtctttat tagcactgtg agaacagact 480
taaatacaat attgncatgg catatgacag cactgactaa aagaaaagcc ncttatttac 540
agaatctncc ttctntnt 557

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<210> 6924

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6924

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ataacatatt taatttaatg cataaggtat aatgaactgg ttcagtttaa cacaattacg 60
taagattttt aatattatga acaacctgtt tggttaacaa gatagcagct ataaaactat 120
aatgtttagt ttgtttctcc tgcagactca gaaaataaat gttttctttt tgctttgcat 180
ttataaactt tttgcaactc aaaaaatctc tttcagtatt caattttaat taatctagcc 240
taaagtataa tactcagcaa tctgtactat tctgacttta aaatcatatc aaatattaat 300

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aacatatatg ctcttaagaa agtacctttc ttgttaaata caactgacaa aatattcagc 360
 aaagtgtgta caatagtgcc ttgtatacat gtgtctttct agagctactt cagtataatt 420
 taacaatcat tgcacaatag cagatgtata atagtttcca tataaactat tatctaagct 480

 gtaaaatag gacatagtca gcaaatcatt tctgagaaaa ggcatagatg gttatttcca 540
 actatctctt ttaggg 556

<210> 6925

<211> 561

<212> DNA

<213> Homo sapiens

<400> 6925

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 tgatcttact ttatccttta tctcagtatc ttacctaacg gttctatatt tcaaagcctg 180
 acagatttgt ttggctggca tgatctgacc acttcctttc tatcgagaaa tacaattttc 240
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 gaagtgtaaa tgtaacatg gagataatgc aggtcagtat ttacatctt attagatatc 360
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 ggaggacgag atgcaaggat tgcttgagtc caggagtttg agaccagcct gggcaacata 480
 gtgagacccc attatttttc ctttttttct ttgagacag agtctcactc tgnactcan 540
 gctanantgc aatgggcgtg n 561

<210> 6926

<211> 470

<212> DNA

<213> Homo sapiens

<400> 6926

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 acaggtgtgc gccaccacac ctggctaatt tttgtatfff tagtagagac ggggttttgc 180
 catgttggcc aggctgggtc taaactcccg acctcagggtg atccaccgc ctcagcttcc 240
 cgaagtgtg ggattacagg catcagccac cgtgcccggc caaaacttct ttctaata 300
 tggaattggg tctgagaact aggtatgtc tacatfffca cacaaaaaga attaaggata 360
 tggattctac aaaacatgaa catcctagag atagtggaaa aaacaaattc ccagtcgtac 420
 tcatttatca tacttctagt tctttctgag ggnntanggg gnaagggnnn 470

<210> 6927

<211> 499

<212> DNA

<213> Homo sapiens

<400> 6927

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 cccaggttca ctccattctc ctgcctcaac ctcccagta gctgggacta caggcgcccg 120
 ccaccacgcc cagctaattt ttgtatfff agtagagatg gggtttcacc gtggtagcca 180
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 ttgcaggtgt cagccacgac cagcccggc taaccccagc ctttctaag agcagaaaaa 300
 tggatagatt tgatgagaga atcttatgag aatggtacat gaatttgat gtaaaatcag 360
 gttacaaatt aaagaggctt taaaagcaat gaataataa acacagccct gttaggctat 420
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<210> 6928

<211> 488

<212> DNA

<213> Homo sapiens

<400> 6928

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caagctccgc ctcttgggtt cagccattc tcttgcctc agcctcggga gtagctggca	120
ctacaggcgg cgcaccac gcctggctaa ttttttgnat ttttagtag agacgggggtt	180
tcactatgtt agccaggatg gtctcgatct cctgacctca tgatccgccc acctcggcct	240
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acagtgtgtg tgtgatcag gtatcaataa gttgggttgg ttttttttaa aaagagtcac	360
atttttaaaa tatgnactaa tttacagatg aaacggtatg acaactagga ttgcttccaa	420
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<210> 6929

<211> 567

<212> DNA

<213> Homo sapiens

<400> 6929

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cagatctgca ggcatatctt atctttgggt ttagcttctt accctcctta caatcccata	180
cattttaaatt tccaatgtat aagtcttgct ggcttcatta caatccacct cagaataatt	240
agacacagag caaattgttg gataatccaa ccttagttat attttcttct cagtccatga	300
gacaaaaaag gattcaaca aaataaatac atgcttgaca aaaatgggac aaaagaagaa	360
acaaatgaaa ggaataatga acctataaat tttcaaaatc tataaacatt gaactaagac	420
ttgatgtact tgatatacct gctgncctaa aattgacttt catttctcac aattaatcgc	480
ctttctgntt cgacaaggtn ctaaaatcta cacaattttt cagnactgng taaacctatc	540
cctactaaaa gaaattttcc tcgaaga	567

<210> 6930

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6930

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ctcagcctcc cgattagcta ggactacagg cccccgccac cgtgcctggc taattttttg  180
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ctttggcact gtattctact cagtgtgtaa ttacaataat tggcattaag ataagtngga  420
cggctgatat tctatttaat ttggacccca gggaaaanag aaaggtggtn aagaaacact  480
tcaaaaaaag ctttctaagg catattttnt gaataacctc cggttngnga ttccccaact  540
tgntttaang ggna                                                    554

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<210> 6931

<211> 532

<212> DNA

<213> Homo sapiens

<400> 6931

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caacctccac ctcccaggct caagtgatcc tccgcctca gcctcccaag tagctgggac  120
tacagacgca cacacaaccc actacgtgcc aaccactgtt atgtgctgtg catatgcaag  180
ttttggttcg gttactttta ataacctata atactgagca cacaactgcc actcgtctcc  240
agggctcttt ggaacccaaa attcagagat tgctaggaat aatttaccac caaagtcaaa  300
taaaaccagt tagtcaacat tttttggata gtcaatttca gtaaacactt ccctgtctta  360

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ctatctatga aagacattat gatacagttc atcaaattctc ttgcaaacat cacgatagac 420
gtggacttct ggcatccct aaaggngcca tgtatgactt gngctggggt ganccatggn 480
gnccatgggc attacccttn cctttggaac tggtaaaac atgggggcna ac 532

<210> 6932

<211> 556

<212> DNA

<213> Homo sapiens

● <400> 6932

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gccttcacc ttggtcttcc aaagtgctgg gattacaggt ggcagccact gtccctgacc 120
caggatcaca tcttaattcg cctttgtata cccacacagc acctccacac acacgtggca 180
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acaacgtaat gacacaatac tacaaccac aggtatctac tatctacagg ggnccctnacc 480
tttngcact tgaggaccag tttatgaaga cagtttttct atggaccang gttggggntn 540
gggggaaggt tnggga 556

<210> 6933

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6933

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cagatcaacc cactacctag gtagtaagcc cagtatccat tagctattct tcctgatgct 180
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 ctgcaaagga catgatctca tttcttttca tggctgcata agtattccat ggtatatatg 420
 taccacattt ctttatccag ctaccattga tgaaccattg ggttggattc catgtccctg 480
 ctantggnga atagnctgc aatggaacat aagttttcct ggtcttatta aanaaatatt 540
 ctnttgccaa agtntaa 557

<210> 6934

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6934

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 ttgcactgta accagggaga tataagaatc tggctttagg tgtggggagt actcttccat 120
 taataaacia aaggcctact gtattattaa ctaagagaaa gtataatgtg aatcatgtta 180
 acattctaaa ataacagaaa gttaggacca tactagcaat gtgaactgtg cctgtttgaa 240
 aatttaaata ctcaggcact aagcattagc ctacctgaaa ctctaggatg aagtctagtg 300
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 ccaagtggca nggaataggt taatcattan gantggagct caaaatatgg cagcctcadc 480
 agaaagacta ttattattct ctaagggttaa taagttgggg ancagttaag gaagccaaaa 540
 ttttcccccc aaaangggg 559

<210> 6935

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6935

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gattacaggc acgtgccacc acaccagct aatttttgta ttttagtgagg agacgggggt	180
ttcaccatgt tgcccaggct ggtcttgaac tctgacctc aggtaatccc ctgccttggc	240
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catgaagaaa ggaatgatca ggaaagttg tgtgaaaaa ggaggaatgt ccaagaatgg	480
ccctggcana aggagaaaan ttaattcaa nttttaattc aagtttaaaa aacttcangn	540
ggnttaatgg n	551

<210> 6936

<211> 542

<212> DNA

<213> Homo sapiens

<400> 6936

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aacccaaatg caggacaggc tattatgttc tgcatgccag tcaaattacc aggcattctt	180
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tgtatatgtg tctcttcttt gtgtccatgt gaattcaatg tttagctccc acttacaagt	420
gagaatatgt agtgttcatt ttctggctc gaattagttt aagtttctta gaataatggg	480
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tn

542

<210> 6937

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6937

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aatccagtg gcttggtgtt gttgatgatg ttaatgatct ctggctaaaa attcaagtaa 180
aagagtcaaa ctgcttaaag cattaataaa gcacagcagt gtaaggctctg caatgatttg 240
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g 541

<210> 6938

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6938

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atgccaacat gccagataa ctcttaatt tctgatacag actgggtccc actatgatgc 180
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gtatttatgg aaaggatcat atgttctttt tttaatatgg tagtattgaa ttaacagatt 300
 tcttcatttt gaaccatctt tatacttcca atacgaccct ctcttgtgca tagtccatta 360
 ttcaaagtgc tcgcagacac tatatggtaa aattttacac taaaatttaa cattaatatt 420

 eetacatata attctatagg tttatgaaag ctgncagcaa ttaaaaaata ttinactttca 480
 cttttgagan aatngnaaat tcncatggag ttgtttgaaa aaaggggaga ccccttttcc 540
 ctttaccen 549

<210> 6939

<211> 487

<212> DNA

<213> Homo sapiens

<400> 6939

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 tatagccgtg tgccaccaca cctggctgat tttgtactt tttgtagaga cggggtttct 180
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 ttccctagaa tatattactt ccctctggctg acagtgttac gtttttcaga gagaaaaaaa 300
 aggatatnca gaaaaaggga aaaatttaaa tattacatga nggaagaccc taaagngatt 360
 ntntcaaaag ctaaaatgtc agaatctgga atggacattt taccgccattg ggaaggatan 420
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 tgtaaaa 487

<210> 6940

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6940

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 ctgagcctcc cgagtagctg ggattacagg cgtccaccac catgcctggc taattttgta 180
 ttttagtag agatgggggtt tcacatggt ggccaggctg gtctcgaact cctgacctca 240
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 ctggtggaaa gaggaatctt ggctgggacc ctagcatcnt ctagggaaca gagaggttgt 360
 gattaagagg tatctggatg aaatcttggg gaaaggaagc acttgTTTT aatccacca 420
 tggtnnttca tatgcataca accatcctca aacattntgc ccatcagcag ancttctaaa 480
 aaggtngaca taccactgg ntatcccctt ctgggcaant ttaaaccaag ccttgccccg 540
 gnaatggnaa 550

<210> 6941

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6941

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 gcctcctgaa tagctgggac tacagacagg tgccaccaca cctggctaatt tttgngtttt 180
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 cactgtgggt ttctttaatg tatgggtaga ggtggcttta ctattagcca gtgtgaanag 360
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 ttaggcttca ggccaaacat ttcattggcaa acctttggtt tatctttttt tccaaatatt 480
 tggttgctaa tgattgncc cagaactttc atataaaatg ggnaatccag aaaagaaccn 540
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<210> 6942

<211> 535

<212> DNA

<213> Homo sapiens

<400> 6942

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gagacacgag tctcgctctg ncatccaggc tggagtgcaa tgggtgtgatc tcggctcact   60
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ttacaggtgc acgccaccac gccagctaa tttttgaatt tttagtaaag atgggatttc   180
accatattga tcatgctggt ctggaactcc tgaccttggt atccgccgc cttggcctcc   240
caaagtgctg ggattacagg catgagctac cgagcccagc cctaaaagac ttctttataa   300
ggagccatat tgctttgggg agaccgaagg ctgctgaggg cctcagggca gggttgatat   360
gcacctgcca gcacgccacc ataacatctt catggaacct taacactttc ttaaaagtgc   420
tccacctnct tttttttgac ccttaaagaa gagaccaact nttagtactg nggtggcaact   480
gngcctgncc ttttcatggt gcaggggact ggggtgacaca ttccccaaa nggnc       535

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<210> 6943

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6943

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gagatggagt ttcgctcttg ttgcccaggc tggagtgcaa tggcacgatc ttggctcacc   60
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ttacaggcat gcaccaccac gcctggctaa ttgtattttt agtagagacg gggtttctcc   180
atgttgaggc tgggtctcgaa ctctgacct caggtgatcc tcccgctcg gcctcccgaa   240
gtgttgggat tacaggcgtg agccaccgtg cccagccaca agtaaatact ttatcccctc   300
atagaagcac acggttttac tgcaattcag tagcttctcc ttttttctt gagacagggt   360
ctcgctccgt caccgaagct ggagtgcagt ggcgcaaaca catctcactg cagcttcaac   420
ctcctgagct caagcaatcc tctgcctcag ctccaaagt gctgggatta cangcgtgtg   480

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ccaccaccct ggccttaata atttcttttt ctttgaaaaa aggnctnact ntgganccca 540
actnggggtgc n 551

<210> 6944

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6944

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cctcattttc cccctttgag actctcactt tttatttagtg ggagttctca ctcttatttt 120
tgctacttat gtctttttgt gcaatagatt gatagtgatt catatagtagt acttgtgctg 180
aagcattttg gtgaactaag gtagcaatga agctttttat catttgtaga agtaaaagta 240
gtaaacaagg gagcagtaag caggttttta ttactattat aactcctatt ataagagttt 300
taaatcttcc tattgctggg aactaatttt taaacatgga tcctggattg agtccgtgcc 360
acacttgtagt ggggtacatgt gccagttttg ttatatcttt aactatattt ttaactactt 420
gcccttgatc acctgtgtgt agaaaacaat tagtaaagtt aaatttttca caaacttctc 480
tttcagctgc tacaagtagt caagagctag gctattttga tagatagcat ttctcatnag 540
aagtctcctg ctgg 554

<210> 6945

<211> 498

<212> DNA

<213> Homo sapiens

<400> 6945

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ttcaaattcc acttgaaaaa gaggcagaca agcgatagtt gggatcccag cctgctcctg 120
gaggagctcc tgtgtccaca aaaaagcacg cacattctac agctatgcga tttgctcact 180

cggaattgca ttttgaaaa ctctcccag agtcccccttg cagaacgcca tttgtgtctt 240
tagttggttg tagctgggaa acaacaacag aaagaaaagg aactccatcc taagacttct 300
tagaatatct tttgttttga aactactgac cctnaaggat ctaccaccac ccaacctaga 360

atatatatct atatatatct catatatata ttctcactga aaagcanatc attgtttatt 420
tcacttgctt tgnitgcaca tcggaccctt agggatggnn tnnggacacc tggctcttnc 480
ttcttcgtgg gatcctgt 498

<210> 6946

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6946

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agctgggatt acaggcatgc gccaccacgc ccggctaatt tttgtatctt tagtagagac 180
ggggtttctc catgttggtc aggctggtct cgaactccgg acctcaggtg atccacctgc 240
ctcagcctcc caaagtgcta ggatcacagg cgtgagccac cgtgccgggc acgtttcctt 300
taaagagctt ttttttgttt atTTTTtgag acggagtctc gctctatctc ccaggctgga 360
gtgcagtggg gcgatctcag ctactgcaa gctccgcctc ctgggttcac gccattctcc 420
tgcctcagcc tactgagtag ctggggctac atgcgcccgc caccacactc ggctaatttt 480
tttggaTTTT taagtanaaa anggggttca ccacgctngc cnngatggct tgaactnctg 540
acctcngaa 549

<210> 6947

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6947

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ggetcactcc atcttttgcc cctctaggga gcttcggtga tgtggatctg ccttggggca	180
ggaaagggga aggggaggtc aggcctagt gctcacgcct gtaatggcag cactttggga	240
ggcagagtca tgtggatcac ctgaggtag gagttcaaga ccagcctaac caacatgttg	300
aatccctgtc tctaaaaata taaaaattag ccgggtatgg tggcaccgta tctgtaatcc	360
tagctactct ggaggctgag gcaggagaat cgcttgaacc tgggaggcag aagttgcagt	420
gagcccgaga tcatgccact gnacttcacc tgggggacag agcaagactc cgnttcaaaa	480
aaaaaaaaagt tggggggaag aacaaatgat ggaggtggag agggaacctt gttggagcca	540
cnaaa	545

<210> 6948

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6948

gagatggagt ctcgctctgt caccaggtt ggagtgcagt ggcgcaatct tggctaactg	60
caacctccac ctccctagtt gaagcgattc tctgcctca gcctcctgag aagctgggac	120
tacaggcatg cgccaccaca cctggctaatt tttttggtgt ttttagtaga catggggttt	180
caccatgtta gtcaggctgg tctcaaactc ctgacctcag gcaatctgcc cgccttggcc	240
tccaaaaatg ctgggattac aggcgtgagc gaccgtgcct ggccaaaatt ctttcacaca	300
tacgtgttac aaacctgcgt aactccaact ctcaactcac gattaacgga cccncaact	360
tttaacattt ctccaccgnt ctttaagaaa cctgaccctt cacgcaaaaa atnctgtggc	420
catgaattct aagactttat cnaatggtgc ttcgcttcac attctgacca ntacttttaa	480
gaaggaaaaa ttaaagttaa gccaatatat tctgaggcct ntaacttaat aantcaggna	540
ttattttaag ggcc	554

<210> 6949

<211> 558

<212> DNA

<213> ~~Homo sapiens~~

<400> 6949

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aagccttgac cctgagaagc atgggtgcgt cttgtcgtga gcaggttcat ggctgtgctc 120
catcctcagc ccgctgattt ttggtctttt gtcctttgat ccagcagttc ccacgtggat 180
gttgtactgc ttctgtcctt gatgttgatg ccgtgggcag tcaggccccg gcgcagggtg 240
tcgcatgctt ccagcagggg ctgcctttct aggagctgct gccgccgggc gtcccccggtg 300
gcctcgggca tggccagcgc aaactgccgg accttctgcc ggaaccgcac cagctcgtcc 360
accacacat gcaaggtagc ctcgctgccg ctctgaaac gtactgntga tttgccagaa 420
aaaattccaa cagtttcaaa aaaactgttc aaagtangag atgatggcac ccaaacacag 480
caggacttct cggccctttn aggttccttt aaggaacgcc tnagctgccc attcncgtg 540
ggggttcaag ggccantn 558
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<210> 6950

<211> 526

<212> DNA

<213> Homo sapiens

<400> 6950

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tattactgaa atgaatgaag tgagcctgnc acttccagga aaacaacact tgntgccaat 120
gataaaattt gagttttcaa gcaaaaantta gcattttgga aaacatacat ctgccatcct 180
aagcttgaca gcttctcaat nctgaagact tatctgatga gactagtgnn aatattaaga 240
attatgattt tttgatatgg tttgataaaa tgagtcaatt ttcaggagat ctgtacaatc 300
taggtaacta atattttcca aatggccaat gacactgnnt taaaagcaaa aaagtcattc 360
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caagtgaag gtaaaccant ggaatntatg tcattgagta cataaagttc acaatatggg 420
ctttgattnc acattacaac ttttaagaca acntcaatta tcaaaagtta ctggttantic 480
aaatcnggac ntccgngtt tactgagaan ggtttctaata accctt 526

<210> 6951

<211> 548

<212> DNA

<213> Homo sapiens

● <400> 6951

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cagtgaagt tccgcctccc aggttcacgc cattctcctg cctcagcctc ccaagtagct 120
gggactacag gtgcccacca ctacgcccg gctaatttttt gtatttttag tagagacggg 180
gtttcaccat gttagccagg atggtcttga tctcctgacc tcgtgatctg cctgcctcgg 240
cctcccaaag tgctgggatt acaggcgtga gccactgcgc ctggcctata ttcagaatct 300
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ataagacaga ccatagttca accagcacgt gcaatacctt gnaatgggta tggcnaaaag 420
gtatgtncan acaggacaag catggggaat atcacctggg aacatgggag aaatgacatt 480
ntaagcccaa tttctttctt aatggactan ggcccacaac ctgngtttta caaggnttca 540
ggaaatnt 548

<210> 6952

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6952

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taccgtgtct acagtagtct gtggctcacc ccagcctctg cagccccact gccctctctc	180
attacctggc tttagtttct ccctaacact tacctcacct gtgtaagaac tccttcccat	240
gagactgtga gctctgcggt acaggacct taccttcctg tactgccgca atttctatca	300
tattceetgc ctctagggca atgcctggcc acagcaggtg ctccctaaac atttgccaag	360
tgaactgtcc cttaccgagt cctcctccat ccccccaag cctggctggt gacctggaga	420
gactcggggt agtggcaagg ctgcanggat ctggaactgc ctgggccttg ccactactga	480
ngcctggcca ttcgatgnct tcctttgatc tgaaagtact ggggancctt aaaaanggct	540
ntngggnaa	549

<210> 6953

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6953

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ctctagcctt ggccctcccaa agtgctggga ttacaggcgt gaactgctgt acccagccag	120
ttctttactt taaaattgga aactttagat gttcattcat tgccgttgat agttaaggtc	180
tgattcacta aaattcacia agatgcttat tttatgaatt attcatcaat acttggcata	240
agtaccgct ggaaaatata attaggacia atctcttgaa aacgagtact ccattcttag	300
aaaagcatna acaaaacca ggctgtttcc tccccacgtg accccttctc cagggacctt	360
gccccaaagc tccaattgtc aggatggggc cagtgtggac caacagcccc tgagccctgc	420
cagaccaaac acaccnaacc tngaccnca gaaggccgcc cagccgggtc acaagcttgg	480
ncaggggctt ccaagtctgg ttacctagag aggcagttgn cacgccttga ccanggtggc	540
cccatgnggg acagaa	556

<210> 6954

<211> 570

<212> DNA

<213> Homo sapiens

<400> 6954

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gtgcaaattt atttagcagc tcctgatagt acttttattt tatggttgcc aagaaaactt 120
ctctcaccga ctctccttgc caaaatgctc agacatgata cctggcagcg ggtcagctta 180
tagatgcact tagtgatgaa acacaagaag gccagaagtc ttcaggcaaa gacaccagga 240
gacaacagac ctttggtggc taagggtctc ctgaccatag cgccttgctc tgatagcaca 300
gactggatgc tgcggccaac agtacacttg gacctgacag tccaaagggc ataaaacagc 360
caacaagcca agtctcttcc ccagtgcaga cagccaagtg caagcttgac ccacagaaac 420
cactgggtcg gctttgcttt ctggangcag aatncaacca gggaaatgaa agcttttctg 480
atagccagtc acttaagggc aggaaggaca accnggatca aagaagcctt ggcagaattt 540
tgagagcccc cancnggaac aggatggttt 570
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<210> 6955

<211> 537

<212> DNA

<213> Homo sapiens

<400> 6955

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ctttggagac agagtcccgc tgtgttgccc aggctggatt gcagtggcac aatcttggct 60
cacttcaate tctacctccc aggttcaaga gattcttctg cctcagcctc ctgagtagct 120
gggattacag gcacatgcct acacaccggg ctaaggagta aacatttttag taaccaagtg 180
gacactgaag atgttgagaa ctggtaaaca aacaatcaag caagtaagaa cagaaataac 240
agcatttggc ttttgagtta atgacaagaa cactcggcat gggagcctgg gtgagcaaat 300
cacagatctt caagcttctg taagtggcct gcattggggg tcaccgtggt gagctacgta 360
gcaccctgga gttccacagt gcttctctga gacagccaca gagatagaag gacagcttan 420
tgaggagtcc ccactacccc atcgaaangg gacttncatg aataataagt gcttgnacaa 480
aactaactct nttctataac tcttctgntt aaaaccttag ncttttttag aatnaaa 537
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<210> 6956

<211> 561

<212> DNA

<213> Homo sapiens

<400> 6956

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ctctctctct ttctttcttt tctttctttc tttctttgag acaggctaca gtgtggttgt   60
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gctcaagcaa tcctcatgcc tcaatctctg gagtagctgg gactacagga gtatgccacc  180
gtccctggct aattttttaa acatttttta tagagataag gtctcacctt gttgcccagg  240
atggtctcaa actcctgggc tcaagtcate ctcctgactc agcctatcaa agtgctggga  300
ttacaggcaa gagccactgc acccagcctt ctttttgagt gacaggactt gggctaaagc  360
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actcaacaaa aaaagacaaa caaccaattt aaaaatgggc aaaggacttg aatagacatt  480
tctttgaaga agacnncnaa gtgggccatg ggcccatgaa aatatgttaa gggccttggc  540
attangggaa agccaatcna a                                     561
    
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<210> 6957

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6957

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accccatctc tactaaaaat acaaaaaatt agccgggcgt ggtggcgggt gcctgtagtc  180
ccagctactc gggaggctga gggcaggaga atggcttgaa cctgggagaa ggagcttgca  240
gtgagccaag atcgaccac tgcaactccag cctgggtgac agagcgagac tccatctcaa  300
    
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aaaaaaaaa gaaaaagatg tgggactttc tctaaaccag tttctacaaa gaaagattcc 360
 agacaacaag cttcatttca aagaaacctg tgtctgcctt ttctgtcgca aaatgtagat 420
 ctgggtagag tttctttttt ttaaagctgc attgnactat ctttanggaa ttcaaaacag 480

 ggctaataat gggcanatat gcaatgcana tctgggctat acctgggatc cccgttttgg 540
 aaaatgccgg aaatgggg 558

<210> 6958

<211> 562

<212> DNA

<213> Homo sapiens

<400> 6958

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 acaagtacct gccactacac ccagctaatt tttgtatatt tagtagagac gcgggtttcac 180
 catcttgccc aggctgggtc tgaactcctg acctcgtgat ccacctgcct cggcctccca 240
 aagtgtctggg attacaggcg tgagccaaca caccgggcta tttttttttt tttttttaag 300
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 aggggcatgc catnacacc tggntcaaaa tttaaatttt tgnaaaaaac cggggtniaa 480
 caacgttgcc caagctgggt ttnaaactcc taagccttaa acgatcctat ggcttaagct 540
 tnccaaactg gtgggaatac ag 562

<210> 6959

<211> 553

<212> DNA

<213> Homo sapiens

<400> 6959

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gttctaaaaa cataaacatt ttttgataac agtaccaacc cactttaatt tatatgtgaa 180

taagagaact tcgcttgaaa aatacaata tacatatcgc agagcactac caaattttga 240
agcttaatgn attcattgcc aacgtactgn cataactaaa agtcatttta aatgttttct 300
aaacaggagac tgatgtggat atcaacaatg gnttcatcct aaaactgagt tttagcattt 360
gnttaagtat atttacctat ttagttaaag cccattacaa taatctttca cccattcct 420
tggggnttaa ggnaatttc atttttttta gagatgggat cttgctatgg tgncccccac 480
tgatcaaaa acctgggctt caaaaaaac ctctgctna acctctgnc cacttgggac 540
ttcnaggggn gct 553

<210> 6960

<211> 396

<212> DNA

<213> Homo sapiens

<400> 6960

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tcacaggcgt ctgccaccac gcctagctaa ttgtttgtat ttttagtaga gactaaaaat 180
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ttgaactcct gacctcaggt gatccaccgc ctttggncct ccaaagtgtt gggttacang 300
cntgagccat tgcgcccagg ccctctgnga nttttttaaa agtggcaagg gcttgcatt 360
tcaagntggc ctgaantct ggactnagt gacctt 396

<210> 6961

<211> 316

<212> DNA

<213> Homo sapiens

<400> 6961

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ggcatcgagt gagccnngtg gaggaacatg ttgngtcngc cgtttttgaa taccagggt	120
gggagcttgg ccatctgcat cccacttcc catagcccag gcagaggac agagaaatgg	180
agtggggagc acagagcagg ctccaacaag acaaattccc tggtncaaa ccaccatgat	240
ccactctgac ttggncaaca aactnngnta aaaacaattc tntacgttca ctgttcccaa	300
gggncattct aaacag	316

<210> 6962

<211> 525

<212> DNA

<213> Homo sapiens

<400> 6962

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attcataagc aattatgtgg gtgcttaaata gatatgatgt ggccacatag taaagtcaat	120
gatgactcat tcattaattc cacaagtctt tacggagtac ccactctgag ccaagtgcag	180
ggctggctac gtggtcaacc agtgctcccc atctgtcctc ttgggggtta aaacggactc	240
aacaacaagc agatgttgca caaattaata tatagtaatt aattgtaaca aaagctacca	300
agagaagccc tggatgctca gagaacataa tggggagact taattaagat aggggtgtca	360
ggacagacta cagaaagaag aatggaaata atgtggcagg gacaacagca gggagaataa	420
accattcttt aatatcttaa ttatgaagac ttcttcttnc attcttctat tagagtcnc	480
cannaanggt cataccagat gccatggcaa natgccttga natta	525

<210> 6963

<211> 461

<212> DNA

<213> Homo sapiens

<400> 6963

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ttgcaagatt tgatttccgt tttttattt ttttcaattt ctttgtaa tttctttgat 180
acatttctga attgcttttc agtcttatct cggaaatcac taagtttctt tagaactgct 240
atTTTcaatt tttatcagac agctcacata ttgccatctt gttaggatga gttactggtt 300
tcttgctttg ttcatttggg gagatcacgg ttccctcttt aggcattgtg cttatggatg 360
tatattgatg tctttgcatt gaagtattat ttatttattc caatgttctc tgactgggct 420
tgttacaatt tttttttttt tttttgggaa cggtnnnnnn n 461

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<210> 6964

<211> 540

<212> DNA

<213> Homo sapiens

<400> 6964

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aaccocatct ctactaaaaa tacaaaaagt tagcctggcg tgggtgtggg cgcctgcatt 180
cccagctact tgggaggcgt agaatcctcc agttgaggag aatggcgtga acccaggagg 240
tgagacttaa agtgagccga gatcgacca ctgcactcca gcctgggcaa cagagcaaga 300
ctctgtctca aaaaaaaaaa aaagaaaaaa aagagagaat ctttaaatac agagtctgaa 360
gtaactataa cctagactct ggcttcttgc acatctgggt tactgnagtt attcacagtc 420
tcatgaagtc ccaatgcagg gtgacaagt acacctgaga ctatttncag ggaagatccc 480
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<210> 6965

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6965

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gttagtaccc ctgctaccca cactgccctg acacgctgac caggagagg acaggccaag 180
gtcccagaga gagcttctca acccacacag aacgggggac tcaggaggtg gggcaccttc 240
agggaagaat cacaggagcc agggacaagg ggatttattg agaaaggaac aaggccaggg 300
agaggttaca cgaggggtcg agctgggggt gtgcggaaga tggaggcatg ctggcagatg 360
gaggaagcag ggtgagtcca tggacacatg gacagatggc tctggtccgc aaacttctgt 420
ggcactgcag cctangcatt cctnctgccc atcgaggccg tattctggct acctgcaatg 480
gaatgaaaan tggggcttgg aaagcccaat cctgagtcct tgcgtctgnc ttcangggat 540
cttccttca 549
    
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<210> 6966

<211> 533

<212> DNA

<213> Homo sapiens

<400> 6966

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ctatcggcat gtgccaccat gcttggataa ttttttaatt tttttgtaga gatggggctc 180
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ttcatttctt ttgaacatgt atagctttca taatctccat cttagaaaat aattgagtcc 360
tcttaaccag tectctggct catgccagct cctggatgtt gtgctgacat ccagcatttg 420
ctcattcttg tggggctgta gggaatttca aggtcaatgc tgagctcttg aaaccaag 480
    
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ctacaaccct gggctgnaca ttacaatcac tggggcgcct taaaaacact acn 533

<210> 6967

<211> 529

<212> DNA

<213> Homo sapiens

<400> 6967

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 tccaggccac tgatccaggc cataagaatt tcagtatcca catatgtaaa aggttttcta 180
 caacaatcct atgaactagt taatatcctc acatacacat tttacttctg agaatgaggc 240
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 ctgattatgt ccaagtttaa agtaaacata aaaatattta taaacttcag caaatttgat 360
 ttatacagta atgtaacacc cgatgggtgcc gtttttacta caaaaatgta tttttgaaaa 420
 ttgggtattc acttaacttt tttctgatag tccaagatt cttaaaggac atcataaatt 480
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<210> 6968

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6968

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 agtagctggg attacaggaa tgtgccacca tgcccggctg attttgtatt tttagtagag 180
 acgggggttc tccatgttga tcgggctcgt cttaactcc tgatctcagg tgatctgatc 240
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ctgctgtctt ttttcattca aatcattgat cttcggtgtt cttggtgtga cgggtaattt 360
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 aatctctatt tgancaggct gtcaccctgt ttanggttcn gcgtgtacag cctgggtctt 480
 ttggangctt ccggttccaa tgacaatttg cttttcanaa tgcttgctnn aatgctttt 540
 ggt 543

<210> 6969

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6969

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 tattaggcgt gtgccaccac gcccggttaa tttttgtatt gttagtagag ttggggtttt 180
 gccatgttgg ctaggctggt ctcaaactcc tgacttcagg tgatccacct cccttggcct 240
 cccaaagtgc tgggattaca ggcgtgagcc accacgccca gcctgtaaat cttgacaaaa 300
 ttcccagagg caaaattatt agaaggctgg gagccaggat taaaaaacat aaaatccttg 360
 gcttttccat ttatttcaca ttgcctcttc ttagaatcca cttctacacc aaagcagtta 420
 aaatcaatgt ggatttgtat tttaatagaa gggttatggg agtagtgga aaggtagcaa 480
 ataataacta tggttattgg atctactggt cctaacattt ggacctatcc aatcatttaa 540
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<210> 6970

<211> 330

<212> DNA

<213> Homo sapiens

<400> 6970

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taatcccagc actttgggag gctgaggcaa gaagactgnt tgaggctagg agttccaggc 180

aagcctgggc aacatagnga ccctcatntt tncaaaaaat taaaaaatta gttgggcatg 240
gnggnntatg cctgtagccc ctggctatta gggaggctga ggtaggagga ctgnttgagt 300
ccnggaggtc aaggctgcan tgagccaana 330

<210> 6971

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6971

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cgcctggcca cacaaggcat tttggcatta acgtatcaag tcttaaaaat ctgtatatca 180
tttgtcccc aaatttcatt tctagggatc tgatgcaaag aaatagatca aatatataaa 240
aagcacgtac cagtacagta ataaaaaaat ttgcagctgg gcgtggtggc tcatgcctgt 300
aatcccagca ctttgggagg ctgaggcagg cggatcacga ggncaaaaaa aagttgtaag 360
gaagtcctcc ataaatttaa gaatccattt gattcttttt atttttctga gatatggtct 420
cactctgttg ccaggttgg aggacagtgg cccattgtg ggtnactgca atcttgacct 480
gnttggcttn aagngacctt ctggcttagg ctccaagcnn attgggcttc ngggcccc 539

<210> 6972

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6972

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 actacaggca catgccacca tgcccagtta atttttttgt agagacagag ttttgccata 180
 ttgcccagge tcctctccaa ctcttgggct aaagtgatcc acctgcctca gcctcccaga 240
 gtgctgggat tataggcatg agccactaca cccggcctca tatgacattt ttaatgggta 300
 agatacaatt aatttactgt gtgaccctgg acaagttaac tctgaatctc agtttaacct 360
 ccaatagatc agggttacag gacccatcac ttagagtagc tatgaaagtg acaagagaag 420
 gctttgtaaa atactaggna tatataatgc ttggcaatag tgnatgggtt ggaagtattc 480
 atgaatttta atcatttaag gnttaatggn aaattttctg ggtaaacct acttatntta 540
 aan 543

<210> 6973

<211> 535

<212> DNA

<213> Homo sapiens

<400> 6973

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 ttacagtcac gtgccactgt gccagctaa ttttgtattt ttagtagaga tggggttact 180
 ccatgttagt caggctggtc tcgaactcct gacctcaggn gatccaccgg cctcagcttc 240
 ccaaagnct ggaattacag gcatgagcca ccgcgcctgg ccccaaactc catcttgaat 300
 cgtactcctc ctgtaagtca cacatgttgc tgggggggga ctggtgggag ataatttgaa 360
 tcatagggta ggtttcccc atactggtct ngggaaagg aaataagnct caagagatct 420
 gaagggtttt atcagggtt tccacttta catcttcctc aatttctctt gccgccccca 480
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<210> 6974

<211> 533

<212> DNA

<213> Homo sapiens

<400> 6974

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gagagagggt gttgctctgt ctgcagtcac agctcactac agcctcgacc tcccaggctc 60
aagcgatcct cccacctcag cctcacaagt agctggaact acaggcatgc gccaccatgc 120
ccagccaatt tttaaatttt tagtagagac aaagccctac cgtgttggcc agttgaactc 180
ctgggctcaa gcgatgctcc cgcctcggcc tcccaaagtg ctgggattac gggtacaagc 240
caccacactg ggcctacttc tttatcaaag aagcccttcc tgaacaacac agaaaccccc 300
ctagagggtc cgtaatgaga accgaacaga aaaacccccca actcaggttt gctgggcaat 360
ccttcttttc cacagaagct ggaccagggt ctgttaccat taaaaaata ctggattcaa 420
tatttttaaa gacnagaagg gaaagagaac aggttcttgc aaagagaggt acagctngat 480
tctttcaagt cacacgaact ccngacttc ggggccaaac cagccggctt ang 533
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<210> 6975

<211> 514

<212> DNA

<213> Homo sapiens

<400> 6975

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gtttttcctt ttagtaagaa aaactttatc aaaaatttaa atatataaaa taaggccaga 60
ggctgcactg gaggccactt cccagtgggt cactgctgcg ctgggtgtcc ctatgcagct 120
agatacatgt taactgcata gagtaccata aaggagccca ctggtgagct tcaactgtcac 180
ctggccctgc tggctggggc ttccattgtc tactgggtct gtccacaccc cagattgcct 240
tgtggtcctt tcccctggcc aagaagataa cagtttttta aaaatccct tctgatatgg 300
atgtgagcaa gcagtgggggt tcagtttggg accaagtagt gccatttaca aagagcatgg 360
gaagcacctc cttaggaggg gagcagggcc atctccacgt tgtcaggggc cgcgcccgtt 420
gcctgccaga ccctgggccc acttgtgcan gcggctgtan antgggaagc cctgggtntn 480
acgggcaaag tagaccccgg ngaatgnatt tcct 514
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<210> 6976

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6976

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cgagatggag cttcctctta ttgccaggc tggagtgcaa tggatgcgac tcagctcacc 60
acaacctctg cctcctgggt tcaagcgatt ctctgcgctc agcctcctga gtagctggga 120
ttacaggcat gcgccaccac gtccggctaa ttttgtatct ttagtagaga cagggtttct 180
ccacgttgct caggctggct tcgaactccc aacctcaggt gatccacccg cctcggcctc 240
ccaaagtgtc gtgattacag gaggtagcca ccgcgcccgg ccattcttac tttttcttta 300
gtttgtatta ttagtaaaga cagggtttca ccattttggc caggctggct tcaaactgct 360
gacctcaagt gatccgcccg cctcggcctc ccaaagagct ggggttacag gcgtgggcca 420
ccgtgcccag cctactatct accatattgg ttcattccaa aacattaaac cttatatctta 480
tttaattnnt aattttttga gaanggggtt tgccctttgt tggccaagtt ggagtgcaaa 540
g 541
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<210> 6977

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6977

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gactttaaaa tgtttattct ttaaaaaatt agttgctttt tatacagcta tacaaagttc 60
ttaatgtttc tttggcaatg gaatataatg gaattttaca actatataaa aaagttacct 120
ttgcctaaga aacagtatct actgtgtgta catagttgac tgacaaaatt ctctaccatc 180
cagcacccta attaattgac gaaataagct acctcatatt acaggattcc ccaaagaaa 240
ggaggaaaaa gacacacaca tacacacaca cacacacaca cacacacaca cacacacaca 300
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accttctgtg gctcaaaaca cagtatcacg gccctatntg caggcaactt gcaattgccca 360
aatacaattt agtgataaaa aaaaaaaacc tttcaagtga tggaaaaaat acttgттаag 420
tcccactgaa gtactgcttt aggttaacta tncntangaa attacttaaa cttctgcttt 480
tccaaatntn ttaatngctc atggttttaa gatgagcctt tcnaaccccc aaaggtacct 540
g 541

<210> 6978

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6978

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gccgttctcg cttatggttc cacctttggg gacgagcagg ggtaaagctt attgggaatg 120
gcagcctcct ccttggagcc ccaccctttg cgtttttttg atcaaggag ttaaaacagt 180
ttattgccta ctgcatatgc agcaatgatt tttcaatcac ttattttttt tgacaccaat 240
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gggtacatca gaaaaactcg gtggggaaga actattagaa tgaactctag ctgtaattca 360
ccagggtagc aaganggtta agaagacagc agggaaccgc tgangtactc tgggttnaag 420
gatcccagtc ttttgaaacc acanggtgga canggcttnc tcagcttaag gctggagcaa 480
aatgggcaat tctgaagctc atgtactttt gaaaatattt aagagtacca gnggctaaag 540
c 541

<210> 6979

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6979

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 cagaagaaag ggagaaaaat ttataaccgg acttactacc aacagctagg gacctgcaaa 120
 aaagccaaat tcagaaataa gagctgatac gtgcagacag tgacaatgta gaaaccagct 180
 cccacgttcc cagcgagttc ccagcaagtt ccccgctgc cctccacaaa tcagcacaga 240
 gcaaatcatt tcacactggt tgtatcaagt gcttggcaca ggaagatgcc acaagggtcaa 300
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 ggctcatgcc tgtaatccca acactttggg aggattgccc gagcccagga caggaggntg 420
 aggcttgcat tgagcccaag attgatcctg ctactgnact tccagcctgg gagacggagc 480
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 act 543

<210> 6980

<211> 504

<212> DNA

<213> Homo sapiens

<400> 6980

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 ctacaggcac gcaccacat gctcagctaa atttttgtat ttttagtaga gacgggggtt 180
 cactgngtta gccaggatgg tctcgatctc ctgacctcgt gatctgccc cctcggcctc 240
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 tttaaagaaa tggnttactt ttattagtta ctacatataa tttttttaat tggattngga 420
 aagcttttta aaaagctgaa caatanttgg gtactttatc tactaaaggt taagggaatn 480
 gatntttact cccaatnaan ngaa 504

<210> 6981

<211> 511

<212> DNA

<213> Homo sapiens

<400> 6981

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cccgggtccc ttccgcctgg gttcacgttc acgtttattc aaacaacaga gccgactcgg 60
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gtgggggtcgg ccagggtgga gacctagccc agcccccttc ggccgntgct gaccgccatc 180
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gtcgtcgggg gaagcgcggg gcacgtgctc gcaggtgatg aggtgggtgg gcagcgcctg 420
ggtgtcgtgg aaaatgacca aaatctgggc ttggcaaaag canccacgg ggctttnta 480
anccaagaac ncctgggcn gaaccccaa a 511

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<210> 6982

<211> 534

<212> DNA

<213> Homo sapiens

<400> 6982

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aaagtaaagg caatgaccta agctaattcca gggaaaaatc ttagctcct gtaacacagc 60
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attaccagaa gaccgagtag catgtatacc ttatttctaa tctcctgaaa aaatttagaa 180
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aatcctttgt tatattgaca atatagattt aaatatagct ttatataata agtttgtcag 420
ggtaaagtca gaaaggatgt gaactgagaa gactgcanaa agtttctggt aagggaataa 480
atccacttct ttaantggta tcccaagggt naanggttc naaagncatt cttt 534

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<210> 6983

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6983

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gatctcttta tttttatttt tttttttttt tctctcttta cacggcaaca gggactttgc   60
agatgtgggtt aaggtaacag attttagat gaggggatta tcctggatta tcgggtaggc  120
tcaaaataat tacatgatcc tttaaaagca gagaacattt cccgacgaaa gtcagagaga  180
tgaggcctcg tgagaaggat tccacacact cacactctcg ctggctctga gatgtaggtg  240
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caccttgatt tcagccctgt gaggcttgaa gcccacacac cancccgggc cactggact  480
tttnacctac agaactnga nggagtaatt tgctattttt aanccggtaa aagggggcta  540
a                                                                    541
    
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<210> 6984

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6984

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gagacggagt ctcgctctgt cgcccaggct ggagtgcagt ggcacaatta cagctcactg   60
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tacaggcacc cgccaccatg cctggctaatt ttttttgtat ttttagtaga gatggggttt  180
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ccgaagtgat gggattacag gcttgagcca ctgcgcctgt tcccaggaag ctcagagtct  300
    
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ctcacaggcc ttttcagttc ctggggctct catatttcct cattctccca gactcctctg 360
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 caacaccaac tgagatgaat gccnctggaa tggcacangt cagtatggca agaaatacca 480
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 n 541

<210> 6985

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6985

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 aacacttgat gtttactagg ggacagtcac catgcttgca cagcaatttt aataagttaa 360
 ctctaggaat tatgaaacaa gcgccaaaaa gcagtacat catcacagag tcataggctg 420
 ctgttatagc tgggaggaaa catgggtgtc acctacttca acactttaat ttccgagatg 480
 tggcactnan accattcgga aagtaagaag acnttctna tgcggnaaaa ctaattagn 539

<210> 6986

<211> 534

<212> DNA

<213> Homo sapiens

<400> 6986

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aaaaggaaag aatgtgtcac ctcttttcta tcacaattgg gggcttaaga atgcaggggt 120
 ggatgtatca acccccagaa agttacaagt ttaagccagg aattctggcc aggcaatcat 180
 ttttagtaat acccttgagc ttatgggagt ggaagtttgt attttttttt ttccaaagta 240
 cttactact aatgataata gttttcatta gtcttagtca ctgggcttag cgttttccat 300
 atttaccct catagcaacc tatgaaacct gtgttagaat tgacatttga tgacaaggtc 360
 tgttcaaate cagcacccat gtgttactta ccactcttta taatttttta aaagagattt 420
 ctcttctga atccctatit tttttgaat ggccgaatan gaaaaattaa aatctgaaaa 480
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<210> 6987

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6987

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 cattgcagtc tcaactcccc aggetcaagc gatcctccca cctcagcctc ccaagtagct 180
 gggactacag gtgtgtgtgc cgctgtgccc agcaaatttt aaaaaaattt ttttgtgata 240
 gatacagggt ttccctatgt tgcccaggct ggtctcaaac tcctgggctc aagtgaccct 300
 cccacctcag cctcccaaag agccgggacc acaggtacaa gccactacac tccactaaaa 360
 aaggctttaa aaattagaat catcacagta taatttccat atatagaaat tatttaaatc 420
 cccaaaaatt acctttcttt ttctctatac agggggcatg tggtttatgt aggaacctca 480
 agaaactaat ggatatttgc ttttggaatc cattaactgg gccaatggtt tagccagttg 540
 a 541

<210> 6988

<211> 536

<212> DNA

<213> Homo sapiens

<400> 6988

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gtaggggtat atgcgaacac taaactcacc tccagccaga tgctctttgt aactgccacc	180
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gcggtcgcca tcatcatagc tacaatacag cagtgtagcc ctctgtttt ctacaaaaat	300
aactggcacc tatttaatac ttcggtgtgt ataaaaacag aaaacaaacc taacaaaatg	360
gaggcagtct tattagaata ttatcaataa ataataattgc cataatattg tcataataag	420
tgtcaattca cacttgacc atacagttcc tttgtccaga ctaaattctc tataacctct	480
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<210> 6989

<211> 533

<212> DNA

<213> Homo sapiens

<400> 6989

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tagaggcacc tgccactgcg cccagccaat tttttgtatt ttttttagta gagacgggggt	180
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cctttgggtc aaacttctc ctttagctcg gagtagtttg atcttctgaa gccttcttct	360
ctcaactcgt caaagccatt ctccgtccag ctttgttcca ttgctgggtg ggagctgcgt	420
tcctttggaa ganganaggc gctctgattt taaaagtctc cgggttttct gctctggttt	480
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<210> 6990

<211> 540

<212> DNA

<213> Homo sapiens

<400> 6990

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cagaaatcgc caatattggc ttccccaaga aataacctca tttccttttt taacctaaag 480
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<210> 6991

<211> 530

<212> DNA

<213> Homo sapiens

<400> 6991

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ttacaggcat gcaccacctc acccgtctaa ttttgtatit ttagtagaga cgggggtttct 180
gcatgttggt caggctggtc tcgaactccc gacctcaggt gattcaccca cttcggctctc 240
ccaaagtgct gggattacag gcatgagcca ctgtgtctgg cttttttttt tttttttttt 300
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aaatgtacat tttccacacg ctgagtacta tctaaatit ctattgataa actctgacca 420
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ctntttcagg caattcatgg acttacttta gcattatcat taangntgaa aggtctagaa 480
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<210> 6992

<211> 563

<212> DNA

<213> Homo sapiens

<400> 6992

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gaaaggccca gatactcctt ctgcccttgg caatgaagac acacagtgcc aaccagaagt 180
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cacctgaggt caggagtctg agaccagtct gccaacatgg agaaacctgn cntactaaa 480
aattccaaan tagcaggatg tgggtgtgca tgcctgnaat cccagttgtt caggaggccg 540
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<210> 6993

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6993

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ccttgagagt gaagtctaca gaaatgcagg ccagaaaggt gtaaggtgtt attccagtct 180

gccgccgcta aggccgttgg gatcgacgcg aaagatctca atagtactaa gaacccaaaac 240
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 ggacaaataa accaagagtt aattttggct accaaactgc aatttggttt tctaggtcat 360

 ttcccccaa ctatttaaaa agaaacatta gtgctacaca tatgcaactt taagatgctg 420
 gatttccta tcaagttgca ctgagaaaca agtgaaataa gccctcgga ctggccgtca 480
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 tagggctgaa gtaacnc 557

<210> 6994

<211> 564

<212> DNA

<213> Homo sapiens

<400> 6994

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 tgtcctaaag ggaagtcaca gcagcttagc tgtttctcac agatcagaga ggatgggtggg 180
 gcagccagga gtcacagta aaccaggtg agcagtcag gactgaatgt cgctgtccac 240
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 cgcgaaggtg tggctggcca ttcctttcct cgcgttgggg tttctccgtg tcagcgagcc 480
 tcggtacact gatttccgat caaaagaatc atcatcttta ccttgacttt tcaggaatta 540
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<210> 6995

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6995

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gattacaggc gtgcaccacc atgcccggct agtttttgta ttttagtag agacgggggtt	180
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ctttagggtt ttcaaagtaa acaatcgtat tgnacgcaaa cagtgaccgc ttgacttnt	480
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<210> 6996

<211> 562

<212> DNA

<213> Homo sapiens

<400> 6996

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ctgggactag gtgcacacca ccacacctga ttaatttcca cattttttat agagacgggg	180
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tatacagttt ggtactatat gtggttttca gacatccact ggggattttg gaatatactg	420
ctgtacagga cacataagga aatgcatagg agataaagtt agagaaaatg tccattataa	480
gtgggtctgc atttcaaggt naagcattcg gctttatcct gnggacaatt aaagaattag	540
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<210> 6997

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6997

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caatgcaacc tccgccccct gggttcaagc aattctcctg cctcagcctc ctgagcagct  120
gggactacag gtgcccgcga ccacatccag ccaactcctg tatttttagc agagacgggg  180
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ctcccacagt gccgggacca caggcatgag ccaccgcacc cggccaggca ttgatttctt  300
aacaggaca caataagcag taaccataaa ggaaaagatt gataaagtat atttcattaa  360
aattaagata cnttggccgg gtgcagtagc tcatgcctat aatcccaaca cttcgggagg  420
ccgaggcagg tgtatcactt gagcccagga attcgtatcg ggctatgcaa catgggaaaa  480
cccatgtnt agtaaaaatn ccaaaaacag tgancatggg antggctctg taggnccann  540
ttctttggg                                     549
    
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<210> 6998

<211> 562

<212> DNA

<213> Homo sapiens

<400> 6998

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cctttttcct ttttaagccag tgattctnaa ctgggcacaa ttttgcccga tctagcaatg  180
tctggagaca ctttggttgt cacaacagtg gaagaaggta tgccatagca cctaattgggt  240
agaagccagg gatgctgcta accctccttt gatgcacaag acagccctcc acaatgaagt  300
    
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atattcagtg canaggggtcc ttgacttatg atgggattac atctcgataa acccattgta 360
 agttgaaaat attaatgttt atgagaaccc atggacacag ggaggggaac atcacaaact 420
 ggggcctgtc ggcggttgg gggcaagggg agggagagca ttaggacaaa tacctaatac 480
~~atgtggggt taaaacctag atgacaggtt gacaggtgca gcaaaccacc atggnccatg 540~~
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<210> 6999

<211> 561

<212> DNA

<213> Homo sapiens

<400> 6999

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 tgggcttaag aaaancttct ggcttgnct ctgaatagct gananccag gtttgtgcca 540
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<210> 7000

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7000

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 actgccacca caccagcta attttggtat ttttagtaga gacagggtgt tcacatggt 180

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 gtaaaagatt ttcaatgaat caaggaaaga atcttaacta gttgtttgag ctgagtttnc 480
 tatggactaa aaatgcatga aaactgctgg atcttaactg gttacagcag ttccttang 540
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<210> 7001

<211> 385

<212> DNA

<213> Homo sapiens

<400> 7001

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<210> 7002

<211> 548

<212> DNA

<213> Homo sapiens

<400> 7002

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tacaggcacc cgccaccacg cccggccaat tttttgcacc tccagcagag acgggggttc	180
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taaattcang gaccttgna ggctattgcc atggngactg gtaaaatcta ggaaatcanc	540
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<210> 7003

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7003

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gagatatgtt gaaataaatg attccagcca ggtgtcgtgg cacctgccta taagctcagc	180
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aacatggaga agccccgtct ctatcaaaaa taaaaatta ggtgggagtg gtggtgcatg	300
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ccatctcaaa gcaattaatt aattaattaa taaaagaaa tcatgatgca tgcagagctc	480
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ntagcacncc can	553

<210> 7004

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7004

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gaacttcaac atttagatgg gttccaaatc ctatgtcaaa atacaatcct aatctctctg  360
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cttactctta ccccaccact ttgggacaag acgtttggcc ccagcaacaa accaaccctt  540
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<210> 7005

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7005

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cctcagcttc ccaaagtgtc gggatgacag acgtgagcca ccatgcctgg tcatgttttc  300
    
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tggttttttt taagacaggg tctcactctg ttgcccaggc aggagtgcag tgtcacagtc 360
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 aagggtctgg atctggtggc taagctgggc tttaaactcc ggnccctaac gatccttctt 540
 cccgggtttc ctggannggt ngggan 566

<210> 7006

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7006

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<210> 7007

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7007

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 aataagtagt ctctgtgaa cacttgccaa gaagccaggt cagttctaac acccctctgc 360
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 gcttcgtctc caccctgact tccccatgct tggcccttcc aaccaagtg ctaattggga 480
 accactgnac acaactgnta accccacatg gggtgggaag gtcttaaagc accaaaggct 540
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<210> 7008

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7008

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 ttactcactc tactattttc tacaaactcc ctcagtaact gaccaaagat cagccttatg 180
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 aaagagttga ttataccagc ctgctctca atactttttg ngacgtaacc aatttttagn 480
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 ttccttttac c 551

<210> 7009

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7009

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 ttggctgtag attttattca tccttttcca ccttgatttc aatgaatgag ttcaagtcag 360
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 cctcatcttc ctcttcttgg aaattaggat tgnaaaagtt ctggtggaag gagctgggct 480
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<210> 7010

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7010

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 gccactgcac ccagcctgag gctgcattct tcttggggct tctcccagt accccttcca 300
 ggtacttcca gacaccctcc ttggttcctt gacaaggctc tttctgatgc ccttcccagc 360
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cctgtgtttt ccagcaatgt cttgggtgtg ttgggtcggn taatgatttc caccaagttg 480
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<211> 565

<212> DNA

<213> Homo sapiens

<400> 7011

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<212> DNA

<213> Homo sapiens

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<210> 7013

<211> 566

<212> DNA

<213> Homo sapiens

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<210> 7014

<211> 565

<212> DNA

<213> Homo sapiens

<400> 7014

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<210> 7015

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7015

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562

<210> 7016

<211> 577

<212> DNA

<213> Homo sapiens

<400> 7016

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<210> 7017

<211> 572

<212> DNA

<213> Homo sapiens

<400> 7017

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<210> 7018

<211> 244

<212> DNA

<213> Homo sapiens

<400> 7018

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<210> 7019

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7019

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aaaaacaagc tgnacacaca atacaaaatg ccttaatttc tgganggccccc aaaagggcct 540
tcaatgncnc tggaattaag gcnttggca 569

<210> 7020

<211> 573

<212> DNA

<213> Homo sapiens

<400> 7020

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<210> 7021

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7021

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<210> 7022

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7022

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<210> 7023

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7023

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<210> 7024

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7024

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<210> 7025

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7025

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<210> 7026

<211> 544

<212> DNA

<213> Homo sapiens

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<210> 7027

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7027

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<210> 7028

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7028

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<211> 560

<212> DNA

<213> Homo sapiens

<400> 7029

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<211> 557

<212> DNA

<213> Homo sapiens

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<210> 7031

<211> 558

<212> DNA

<213> Homo sapiens

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<210> 7032

<211> 538

<212> DNA

<213> Homo sapiens

<400> 7032

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<211> 488

<212> DNA

<213> Homo sapiens

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gacttgcatt agaaataaaa gatcactgac tctaaaagca atgccattaa tcaggaggat	420
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<210> 7034

<211> 570

<212> DNA

<213> Homo sapiens

<400> 7034

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tacaggcgc cggcaccaca cccggctaatt ttttgtatt ttagtagag aggggggttt	180
caccgtgttc gccaggatgg tctcgatctc ctgaccttgt gatccacctg cctcggcctc	240
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aggtaaatac ctaggagtgg gactgggtgg tcatatagta agtatatgtt taactttata	360
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gtgcaagttc tagntactcc acattcttnc acatnacttt ggtcaaggtc aagtttttct	480
atttttagctg angngngngg gggcttacta atgggttttt tgggttgggt ttttgggaag	540
gcaaggncct acttntggna nccaggcagg	570

<210> 7035

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7035

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cccgaccac aggggttcac ttacaggttn cccaccttgc agcaacagt angctcaaag 480
tcaccacac ttcatacatn ccttttgtca taccctgcct gnatgggnt tcgntacct 540
acaaagccca caaaggggca acg 563

<210> 7036

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7036

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gcagaagctg gtcagaacct tcttgatcac agccccagtt agatacaggg aagagtggcg 180
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tccagcccca tccatcctat tcttgctgag tcaccagtct catcatcttc agagccatgt 300
ccccttggtc agaaggaacc atatgaccag ctttcagaat ccagtagaaa gcaaggttct 360
tgtaggactt gacaaaagca gatgtttcca aagatttagg gtcactgtca gggccttcac 420

ttcagctgac tgaatttaag gcagtctggn ccttcagttt cgnaccagg cttctgaccc 480
atggnatcta cgatgagatc cagtgnccct ntacacggna cgtggatcct ggctcagaac 540
ttgtccn 547

<210> 7037

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7037

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tggcttgcc ccttgaaggc ctggccggcc ggggcctggg gtttccanag ggtnttnggt 540
gggttgccc ttnaggc 557

<210> 7038

<211> 538

<212> DNA

<213> Homo sapiens

<400> 7038

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ccgggtagct cggactacag gcatgacta ccacacccaa ccaacttttt tatttttaat 180
 agagatgagg tcttgccatg ccgcccaggc tagtctcaaa cttccgaggt caagcaatcc 240
 tcccgcctca gcctcccaaa gtgctaggat tacagggtgtg aaccaccata cccagcctaa 300

 gtacaatttt ctattgttgc cattcttttt cgttttgaga tggagtctca ctctgttgcc 360
 caggctggag tgcagtggca caaccttggc ccaactgcaag ctctgcctcc tgggttcaca 420
 ccattctcct gcctcagctn ctgagcagct gggactacag gcgcccggca cacgcccggg 480
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<210> 7039

<211> 544

<212> DNA

<213> Homo sapiens

<400> 7039

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 acgttttgcc cctcttatga cccanatgtt cggagtgttg ggaatgctac acaagacaga 180
 caagctccca atgntaaaga actcacattt attttcatta atattactgg taatgnccaa 240
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 ctgaatcacc ttatgtgctt gntaaagcac agattgntgg gcccancancc gagtcttttg 360
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 tgctgctgtt ctagggacca aacgctggct taagncattg ccaaattgca ttccttcagt 480
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<210> 7040

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7040

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tataggcata catcaccatg cccggctaac ttttgtatit ttagtagaga tggggtttca	180
ccatgttggc caggctggtc tcgatctctg aactcgtgat ctgcccgcct cggcctccca	240
aggtgctggg gttacaggag tgagccaccg cacctggcca ctctctatat ttcttttgca	300
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tcgtaaattt tttttgcact cagcttgctt caaaatattc tagaaatcac tccatatcag	420
ttattatctt cagttttaca gatgaagaga caggcataaa gaggttaagt aactagctca	480
aggcctgnat ctattaagga gtatngctgg gatgtignaac taanaagttt ggcttcagaa	540
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<210> 7041

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7041

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gactacaggc atacaccacc acgcccagct aatttttgtgt agagatgggt tctccttatg	180
ttgcccaggg tggctctcaaa ctcttgggct caagtgatcc tccagcttcg gactcccaaa	240
gtgctgggat tacaggcgtg agccactgtg cccagcgcgc attgttcttt taacaaaaga	300
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cctctgtctg aaccgggcct atactgtagt gggacggaaa gacaccaaac aatttgcttt	420
cacggggaag aaagtggggt gccaaaaata atgtgggaaa angcctttgc atacagggtc	480
agaaacgggc tcccaaagag atgacatttc acangattct ggctgaaaaa aaccttgggg	540
caaaagaaag ggcttaaccn nggggntn	568

<210> 7042

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7042

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cgccaccaca cccagctaatt tttttgtatt tttagtagag acgaggtttc accatgttag  180
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ggattacagg cgtgagccac cagcctggc cgagccatca gtatttttaa aaatcttcac  300
gtgattccaa tatacggnaa aatttaagag actacagcaa taatataagc aagagatgat  360
gatggattgg cccaagattg ttagtgatag agatggtaag aagtggtag attctcgata  420
taccttgaag atgtcaaacc acagcaaatt tactactgna aaaattatnn gaacactgaa  480
attattaatg ngtatttttg aacattnaca caccatattt naaatatctt ggatcaattc  540
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<210> 7043

<211> 571

<212> DNA

<213> Homo sapiens

<400> 7043

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aacctctgcc tcctgggttc aagtattct cctgcctcag cctcctgagt agctgggact  120
ataggcatgc agcaccacgc ctgggtagtt tatgtatttt caggagagat ggggtttcac  180
catgttgccc aggctgggtc caaactcctc acctcaggtg atccactggc cttggcctcc  240
caaagtgtg ggattccagg tgtgagccac tgcgcccagc ccagacctcc aatttctatc  300

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ctcccaggga ctccaggccc agcctggatc tcagagaaga atcctgattg tggcagaggc 360
 tgttacttct cccttagaat ccatactccc tgtttcggtc ttggtaacca aaccctaag 420
 agtatgagca ctgcacatgg ccaccagcc agagactaca tttcccagac tctcttgac 480

 tagagatggn tatgtgacca tgctccgggc caatgggata taacngaaat gctctgnacc 540
 atctntgggt gacncctttc caaanagtgg t 571

<210> 7044

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7044

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 ttggggaggc tgaggtgggt ggatcacctg aggccagcag ttcgagacag cctggccaac 180
 atggtgagac cccatctcta ctaaaaatac aaaaattagc caggcatggt ggcacacacc 240
 tgtagtccca gctacttggc aggctgaggc aggagaatca cctgaacca ggaggcagaa 300
 gttacagtga gccaaagattg taccactgca ctccagtctg ggcaagagag tgagaattca 360
 tctcaaaaaa aaaaaaaaaa aaaagagaga gaaaatgaac agtaattctt ttcattgta 420
 atctagtcca tattcaaatt ggaatgattt cttttttttt tttttttttt gaaaccaggt 480
 cttnttttta ccaggctgg agtcagtgca accactgngg ctactgnaa cttttacctc 540
 tgggnccaag cagncttcan aataaac 567

<210> 7045

<211> 570

<212> DNA

<213> Homo sapiens

<400> 7045

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 gattagacaa tatttaacac tatcttattg tgatgtacca ataaacaaaa caaaacaaaa 180
 aaccacatt gaaacaaatc agaaaaaatt aaagcatgaa caaatTTTTat atagtatata 240
 ataagaataa aagtcccaca acttaaggct ctaattataa caatgaaata gatccaaagt 300
 tcttgaatca cttttttcaa ttttgaagat gactgttgta aatatatatac tatttaaagt 360
 ttcatccaca aggtttatta atcaagtaaa atgtacattt ttaaaccat tcctgggtaa 420
 acaaatatTTt atttgcaagc ttttcttaat tggactcctc angcacatct aatattgcaa 480
 catatgcagg ttaggaaaat atacacataa tcctaaacaa tctttactta taaatttgaa 540
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<210> 7046

<211> 571

<212> DNA

<213> Homo sapiens

<400> 7046

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 gtttgagtga gtgcctggag tgggcggtgg atgaggggaa ttatggaagg gagaggggtt 120
 cctcaagtct gttatTTTTt aagagacggg gtctcgctgt gttgccagg ctggtcttga 180
 actcctgggc tcaagcaatc caccatctc agcctcccaa agtggtggga ttacagatgt 240
 gaggcaccgc acctggcctc aaatctgttc ttgagcagta gagaggaaag gagaaaggaa 300
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 ctgtattgct gggcccagcc taatgtggaa gaagagtaaa gctgagctag aagtattttc 480
 tgcttggtgc cccaccaatt taaacacatt aaatttgaa tggaagttct gnccttggat 540
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<210> 7047

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7047

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ctgagtagct gtgaatacag gcacgtgtca ccatgctcgt ttttaaaatt tttggtaggc  180
atgaggctctc tctgtgttgt ccaggctggt accaatctca tgggctcaag cgatcctcct  240
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atgttactaa tatgacgaac tgaaattatg gatccctaag tttagtagaa taaaatttca  360
gatttcataa aaagactaac ataaaagata ttgatcattc ttttaggcct cctaagtaag  420
atttaagcaa agcataaatt tctgggatat tctcagttca aacacacact nttactgatg  480
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<210> 7048

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7048

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gcctagttat attatgcacc catttctaga gtaaaaaaac tacacctccc tcaacatcag  180
ttctgtactg tttctggttt atgatacact tccaaaacag caaaaaattg caaatatgtg  240
caaacactgt ggtccattca gagtactgct tagtcatcat cttcttcttc ctctcttct  300
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ggtttaatct gatccaaacc catataggag tctgatctca gaaacacagt atactgataa 480
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 cccaggatgg gtaattttgg atttgggtt 569

<210> 7049

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7049

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 gtgactntgc cttanccngg gtg 563

<210> 7050

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7050

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gtagccagtg atttgcgctc agaggaggta ataggacaaa aaaaaaaaaa aaaaaaaagc 180
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 aatgatagac acacatacct gaaagcagcc aatctccatt aaaaatgtgt gttcttttcc 420
 tcaaaggaga tacaatagac atcagaaaga tatgattatt tcagctacca aagtgtcttg 480
 atatccatct cttcaaagat ccatatggga tgggatcaan gngtcncct gagaaaagtc 540
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<210> 7051

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7051

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<210> 7052

<211> 536

<212> DNA

<213> Homo sapiens

<400> 7052

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ggaatcattc aagtaagtac ttgntnatat gcatattttn gggtcattca tggtttgctt	480
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<210> 7053

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7053

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<210> 7054

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7054

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agctgggatt acaggcgcct gccaccacgt ctggctaatt tttgtatfff ttagtagaga  180
cggggtttta cegtgttgtc aaggctggtc tcaaattcct gacctcaggt gatctatctg  240
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cctctttaat gtctgtgagc tccccaaggg cagagacacc ctctagtgcc tggcaccgcc  360
tccagggtctg aggaggtgtt caccaagtct gtgatgcagg aatgaagccg tatcccaagt  420
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cgagtatcga cacanggttt gctgancgga ngaatgaacc ctgctttgtg gtggaaggga  540
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<210> 7055

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7055

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gtagctgaga ctacaggtgc acgccacat gcccggttaa tttttgtatt tttatagaga  180
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ttggcctctc aaagtgtgtg gattataggc gtgagacaac gcacctggcc tttagtttat  300
    
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 ctttacgaat tgcttttcag gattttggcc tatttagtga tattatttaa atatttctta 420
 agtggatctg taagcactct acatattaag gctataacac agtatagcac tctgggatta 480

 tetaacctct acagttgaga tattagacat aaaggggctg ctgggganta gaaatttttt 540
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<210> 7056

<211> 555

<212> DNA

<213> Homo sapiens

<400> 7056

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 agcctgctgc tgacctttaa atgggggtttt tgtggggctt tttcattga tgttgttgtt 180
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 ttgctgggga tctactccag acgctatttc cctgggtcct tcccactcct ggaattatca 300
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 ctattgggac atctcacttc agtcaggang aacnggatca nggtcttgct taaaanaacc 480
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 ccnggcttgc cctgn 555

<210> 7057

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7057

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 caatcaatct tcaccattga tatttttcat ctttgacttg aagttacaaa ctaacttcag 360
 caggaatatt tatgaattat tatggataat ctattacaca gtgaaaactg taatatatgt 420
 ttgctacatt tataatataa aacatcctca tgactaatga agcctnccta gtcttaactg 480
 aacaaantgg actcaataaa tatgcttatg gcaattataa aaaggggaan ggaccaaadc 540
 actaaagaaa accttntnt tgnt 564

<210> 7058

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7058

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 agttgtaggt agggactatg ttttctacc cttaggacct aacagagcca aacaagagt 180
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 ggtgcttatg cttggcgtgg aataaaataa gttgccagt ctgatccctt tctctcctcc 480
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<210> 7059

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7059

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aaagaattat gtcctgcaga aaacattctg agtgactatt ttttttttca gttcttacia 180
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caagttctgg tgaagaccct cttcctggct tgcagatggc attcttcttg ctgggccccca 420
tatggcagag aagtagacag aaagaacang aactctgggg ctctaattcc attgngaggg 480
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<210> 7060

<211> 415

<212> DNA

<213> Homo sapiens

<400> 7060

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ccaagtagct gggactacag gcacgcaaca ccatgcccgg ctaatttttg gatttttagc 180
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ccgcctnggc ctcccaaagn gctgggatta caggngtgag ccaccacgcc cggccccacca 300
cgataatfff ttttttgtan anacnagggt ctcccatgt tgcccaaat gggctcgaac 360
tcctgagctn aagcaatttn ccggttggg ctnccaaagg gtggaactcc cggtn 415

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<210> 7061

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7061

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cctaataaag gcttatattt acttgatttg aattttgcta gcatgctttt tcttctgaat 60
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agtattggtt ttcaaataca tgaagggtac tcagagagag gatgattgcc aaagaaaatg 180
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gtttatgaca ttaaactgag agaccaaggg atcctttttg gagacttcaa aaataggata 300
gatccttaaa tgcctgagat ggcttgatg tggctttgtc tgaagtcagg aggataaatc 360
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tagaatgccg gccagggaca tctagagagc atctctncat gctgggtagc agtctatcaa 480
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ccggctgang ctgatt 556
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<210> 7062

<211> 540

<212> DNA

<213> Homo sapiens

<400> 7062

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cgggaccaca ggcgcccgcc accatgcccg gccaatTTTT tgtattttta gtagagacgg 180
ggattcaccg tgctagccag gatgggtctg atctcctgac ctcgtgatcc gcccgccctg 240
gcctcccaaa gtgctgggat tacaggcgtg agccaccgcg cccagccgcc agaagatatt 300
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tttaacatgc caagaagaca aaggttaaat atccagaata tttcaaagat gtcctatacg 360
 cactacaaaa cactgctgaa gagagcttgg tgcatttgaa gaacaacaaa gtgtttgttg 420
 tggttgtagc aaaaatgggg tgtgtgtgtg ngtgtgtgtg tgtgtgtgtg tgtgngtggg 480
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<210> 7063

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7063

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 cacaggtgca caccaccaca cccacaatt tttttaaac tttttgtaga catagggtc 180
 tgtatgttg ccaggttgt ctcaaactcc tgatctcaag cgatcctct gccttggtt 240
 cccaaggtgc tgggattaca ggtgtacgca cctggcctta catatattac cttaatggaa 300
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 tccttttccc taaccaggag acacttgaca atgtctgcag acatttttg ttgtgggaat 420
 gnggntttgg gtggtgggg actacttgca tgtaggggta aaangccagg gatgctctna 480
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 ggctgaggtg gga 553

<210> 7064

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7064

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caacctctgc ctcccgggtt caagagattc tcctgcctca gcctccagag tagctgggat 120
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 ccaaagtgtt aggattacat gcgtgagcca ccaccctcgg cctgcttctt agcacttcta 300
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 agagctgggt ccagaaacca agatcgggaa tgcctgatgg ctgctctgcg gcccttgcta 480
 tgaaggcact ttccttgggt caggngatcg gcccttggct ttaaggaaca tgtnggggtca 540
 nccnnggggtt gggncaacn 559

<210> 7065

<211> 523

<212> DNA

<213> Homo sapiens

<400> 7065

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 acaacacaat gccagttcaa gttcaaggga agtgttccat cctctttcag cctccactca 180
 gctccagaca cacgggtgcat ggtccagctc cctgggattt tccattcgg aaaggaagc 240
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 atacagaggg atccagcata attaagagca ttaagcaatc atctcagccc aaggaggcag 360
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 aagttgaaat cttggctttg gacacacata aaaatgacct ggnccaatct taactnttna 480
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<210> 7066

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7066

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ctctggggca ggggtgcccc gggagggttc ctcttgtgga acgcaggcgt taatgagcca	180
tttcagtaat aagagtcctg ccttgagcca gaagtcagag cacccaagac accccaagca	240
gcagaaatgc tcatgaattt ctgaaactgc ctttctaatt tgcatttaaa cataacttcc	300
aaagaacaat ttcacctgtg attttctgag ctggaaaggt aagggaacttt agatgttgaa	360
tatgtacaaa ttatgttaat ataacggagg taaatgaaag tcaaatgcat tggcatgtaa	420
aatgtanacg tcttttctaa atggctatct tctaccang ctttggttaa ttttccccta	480
aagtggaaat gngataattt ttttttaa naagggaatc tctataataa atnccaattg	540
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<210> 7067

<211> 501

<212> DNA

<213> Homo sapiens

<400> 7067

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tgcaaccacc ggtcttcacc ggattcacag tcggaaccgc gagcaaagac acctagtaga	180
gccggccgat tcctaggtcc tccggctagg aggcgctgcg ggccagtcct cggggggcca	240
ccgcagcccc cgcgcccagc acccccaccc tcacggcaga gcccagccca gccccgcggc	300
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cggcccagct tccccatctg cggccaggca naactgcccc gagagaccag cagcaacgnn	420
tggaanatgg gcttgcaggg aacgttggga aaagggaagg attgggcacc cancttccgg	480
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<210> 7068

<211> 554

<212> DNA

<213> Homo sapiens

<400> 7068

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tacaggcgcc cgccaccacg cccagctaata ttgttttttt tgtattttta ggagcgacag  180
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gcctcccaa gtgctgggat tacaggcgtg agccactgcg ccaagagcaa gcttctgatg  300
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ctcctcccag gatccggagc aggagggtgg ctgncttttg cgttcaatcc gctgggctgc  420
tgtggggttc ccgcaaaact gnttcaangg gncnagaaga aggaaggacc cttgccccaa  480
ggacagacgg cnantttgga tcaggaaagg ccaaccgngg ccaaaggctt ggactctggt  540
tgggggaacn ncca                                     554
    
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<210> 7069

<211> 531

<212> DNA

<213> Homo sapiens

<400> 7069

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ttaggatcac aggcgtgagc caaggcacag actctgggtt taaggcagaa gcacttggtta  180
catgaatcac atcacataaa gcaatctttt ggtcagggtg ccaggcgagg agaggcccaa  240
gaaacaggaa aaggagagca agtgagagtg aatcggcgaa gccatcacct aatgaaggag  300
    
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ccagacaccc tgagtgtgga gccccagcca tgggtcctgc cccttgcgcc gctcagggca 360
aatcttcttg ctgcctgggc cacagcagtt actggggggc ttggcagggt gaantgtgtg 420
tcaccagacc tgcacaagct tcttcttaca gatacaacgc tgactcantg tgaaggccct 480
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<210> 7070

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7070

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aagagaaaac ccacacaaaa aaaatgaaac taagagattc tgaaagcagc atttcctaata 180
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tttctggtgg gaatacttca gaaatgaaaa agtatitttca atttaaatta aattaaattt 420
ccaattaagt cacagagaac tgnacttnaa canggaatct cttttactnt anccctttac 480
caaaggaaat atttcacttt ttttctttct gggcatcaat taagaagttt aatgtaaaat 540
ggggcacttt tcattcttga tnaa 564

<210> 7071

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7071

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tcgactcact cactgcaagc tccgcctccc aggttcatgc cattcttctg cctcaacctc	120
ccgagtagct gggactacag gcgcccacca ccacacccgg ctaattttct gtatttttag	180
tagagacggg gtttcaccgt gttagccagg atggtctcga tctcctgacc tcgtgatccg	240
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acaggtactt ggngactcta agtaggacca gaacagaagc ctcaatgngc tggcccaant	480
tgacatntat gcctgancgn aaggctttgg ggcttgaaaa tcttcccatt agaaaatcan	540
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<210> 7072

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7072

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caggcgcgcg ccaccacacc cagctaattt ctataccttt agaaatgggg tttcaccatg	180
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caaagggtta atttattctg ggggaggccc ttgagaattt atctggggat ttcaagaatg	480
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<210> 7073

<211> 554

<212> DNA

<213> Homo sapiens

<400> 7073

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gccacaaaag acatttctta attacttctg aatgaaaaac agagactttt aatttcntgc 480
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<210> 7074

<211> 530

<212> DNA

<213> Homo sapiens

<400> 7074

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tcaagtgggg ggctgcctgn ctgnngttct gagnccccac tangggatcc ccattncctt 480

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gggttgaccc gttttttgcc ttttttaaac cgggggtccct ggcntgncct

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<210> 7075

<211> 254

<212> DNA

<213> Homo sapiens

<400> 7075

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gagagaccaa ttccacgtga ggtcccagaa gtgttgatct aaacaagttg accccataga 180
agtagcaagt agatcgatgg tgaccagggg tcagagagtg gcagagggag gggaatggga 240
gggggggnngn nnnn 254

<210> 7076

<211> 533

<212> DNA

<213> Homo sapiens

<400> 7076

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tacaggtaca cgccaccata ccagctaatt tttttgnaat ttttgtanag gcgggggtttt 180
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tctntgacca ccccatntaa gctggaactc cttgctggng gatcctaggc ctatacccta 480
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<210> 7077

<211> 549

<212> DNA

<213> Homo sapiens

<400> 7077

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gggacttcgg ggcatgccac cacgcttggc taatTTTTTg tatttttggg ggagatggag  180
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gatccctaag attcttattg cctagtaaag atgaaagatg aaaaagagat aacaatgaaa   360
acatgagggc atggcagagt aaaataggaa gaaaagtcca gaatatgna ttacagaggc   420
agggattaga aatatttncc tgataagtgg gtttcaneng angnagtatt aacaagctaa   480
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<210> 7078

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7078

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gagatgccgg ccaggaagcc tgggaaattc ctcccctctg caggccccac cccgtgctaa  180
tcctggctcc acctcacctc cgcccagctt ctcttgact cacatgactt ttctatattg  240
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gtgcagtctg gaagaacttc tcagctctca gccacgggaa ggcgatcact cagcctaagg 360
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<210> 7079

<211> 383

<212> DNA

<213> Homo sapiens

<400> 7079

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<210> 7080

<211> 520

<212> DNA

<213> Homo sapiens

<400> 7080

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<210> 7081

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7081

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<210> 7082

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7082

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<210> 7083

<211> 570

<212> DNA

<213> Homo sapiens

<400> 7083

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<210> 7084

<211> 578

<212> DNA

<213> Homo sapiens

<400> 7084

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<210> 7085

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7085

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tatacaaac taaaaaccag aaggattcat tcttgctttt tccttttita aaaaatccag 180
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tccaactcat ctcttgtcag gttcatgcc ccaaacacca gaggaccaat aaactgagcc 420
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 gnggtctgaa ttattanggc nca 563

<210> 7086

<211> 485

<212> DNA

<213> Homo sapiens

<400> 7086

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<210> 7087

<211> 396

<212> DNA

<213> Homo sapiens

<400> 7087

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gctggaataa caggcaccgc ccactatgcc cggctaattt tttgtatttt tggtagagac 180
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<210> 7088

<211> 580

<212> DNA

<213> Homo sapiens

<400> 7088

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 ctaaagacag gccaaaaact aattaatggt tncntatata ctaaaggcaa tgggaaangg 540
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<210> 7089

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7089

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<210> 7090

<211> 577

<212> DNA

<213> Homo sapiens

<400> 7090

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 gcatacaga aagccattca atttctttc aatgctggat naagncttca ttttaatcnt 540
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<210> 7091

<211> 575

<212> DNA

<213> Homo sapiens

<400> 7091

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<210> 7092

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7092

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ttcttgnant gnccttgctg accctagcat caaaggcaat gcttggctca tagaacgaag 480
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<210> 7093

<211> 563

<212> DNA

<213> Homo sapiens

● <400> 7093

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<211> 559

<212> DNA

<213> Homo sapiens

<400> 7094

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<210> 7095

<211> 550

<212> DNA

<213> Homo sapiens

<400> 7095

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<210> 7096

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7096

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<211> 500

<212> DNA

<213> Homo sapiens

<400> 7097

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<210> 7098

<211> 559

<212> DNA

<213> Homo sapiens

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aaaagaaaga gaaaaaacc 559

<210> 7099

<211> 432

<212> DNA

<213> Homo sapiens

<400> 7099

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cggaacggca gcagcagcag gacgattaag acaaggagga tggctccaca gacgctcatg 360
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<210> 7100

<211> 554

<212> DNA

<213> Homo sapiens

● <400> 7100

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<210> 7101

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7101

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<210> 7102

<211> 555

<212> DNA

<213> Homo sapiens

<400> 7102

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 tcattcaccg agggggagag aggaaaggga agagagggga agagaagaat ggggagggat 480
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<210> 7103

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7103

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ctagtagctg ggattacagg catgtgccac cacaccagc taattttgta ttttagtag	180
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aatttcctaa tgtttactga gactcttcaa gagtgggaga gggatataat atacagcatt	360
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aaattttgca aaactgcatg taatatacaa tgttgctttg gttgcctttt ccagcttctg	480
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aacctgnatt ggcccangnc atta	564

<210> 7104

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7104

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ctacaggcac cggccaccac acccagctaa tttttgtat ttttagtag agacagggtt	180
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taccagaga aggcagaaaa nagaggacaa gaagtctnca ttcttttggg tccatcacct	480
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560

<210> 7105

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7105

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 aatgacggaa acctttgaaa aggggtgggga gggcttgaaa tccaggcctt cttcctggga 480
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<210> 7106

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7106

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 gcctccccag tagctgggac tacagggtgcc caccaccag cccggctaata ttttttgtat 180
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 aaaatatagt cctcagcttt aagaagtcta tagttttgtc aagaggattt gggaattctg 420
~~aaaacagttc tgtggcttct agaaagacat ttttccata aactnctctg ggctcttgng 480~~
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 accgatttgg anggtttctt ggg 563

<210> 7107

<211> 534

<212> DNA

<213> Homo sapiens

<400> 7107

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 ggtaggtagt ttctctntac ttgngccgtt gnccttgggg tgatgtcggg gcctgtgccc 180
 tgaacgcact tgtctcctgt gcaggggagc ngccagggtt ggcatcagng gctggnggag 240
 cttctnagtn ggctattttc tcaatctcgt ccaaatacatn tgggnccaat ctttctatct 300
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 tgttcaactgc caggcccntt ttgcaaagc ggccgtgcgc ccgaccggtg caggtaggtc 420
 tcattgncag gattcccggc cttnccacgg gaagaacaaa gttgatgacc accngacctt 480
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<210> 7108

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7108

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 ctgggactac aggtgcatgc caccacacct ggctagtttt tgtatttttt tggagagaca 180

 aagttttgcc acattgcccc ggctgggtctt aaactcctgg actcaagtga tccacccacc 240
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<210> 7109

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7109

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 cctttatgat ggaggcagct cctccccaag gtcccactta cagagtgaga cctttgtcta 180
 cttctgtttg gcatgtgctg gccatgtgca aaccacaaat tatattggcc aatggcaaac 240
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 ctctgttgcc ctccctntcc cgtgcctggg ttctcatcc ttgcatttct tggctggngc 480
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 attggnacct tgaaag 556

<210> 7110

<211> 555

<212> DNA

<213> Homo sapiens

<400> 7110

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cactgcaggt atatagcacc atgcccaact aatttttcta ttttagtag agactgggtt 180
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aaaattgggt tataatattc tattagattg atacattatt tacctcgcta tttattagat 420
atttttattt gctttaaact gttttcaca agtatcaaca attatgaatg ncttcattta 480
tatatacctt ttaactttct ggcctatttc cttnaaatc ataccngaa acacccccca 540
nttaaaaaaa ggggt 555

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<210> 7111

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7111

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tggaagtcct gataagctta ttggactata agaggggata ttcattagca gtgctgagaa 180
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aggatttga agcatctgtg tatcctcttt ttctgccctg ggacattcat tacggtaaga 360
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gggtcccagc ttctcaagtg gcaaagtgc aacatcaggc ataagtttta ttatcactg 480
aagaagaaag ctgagatnca agcggcaaaa ncttgacttg gattaaatct ngggaaaatg 540
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<210> 7112

<211> 549

<212> DNA

<213> Homo sapiens

● <400> 7112

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tgaatgncct ggccanactt ncaacactat gtgaataaaa tggtgaaaaa nggcaacctt 540
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<210> 7113

<211> 539

<212> DNA

<213> Homo sapiens

<400> 7113

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gttctatggc agctttgggtg gacagttctc atatggtttg aggtctttct acctcaagtt 180
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<210> 7114

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7114

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 acaagaaggg aaaagatgtg ggggtgactt gggggggtga tgttctccct tctcctccct 240
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 gttggaaggg cantgtgaac ctngctcant tcctgagtgg acgtcaanga ctagcaggtg 540
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<210> 7115

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7115

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ttacaggcat gcaccaccac acctggccaa ttttgtatit ttagtagaga tggggtttct	180
ccatgttggc caggttggtc tcaaactccc aacctcaggc aatccacca cctcggcctc	240
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tatttctgag ggctctggtc tgggccattg gnctattaca tatggctagn cagtttttnc	480
aanaccattt attaataagg aatccttttc ccaagtatgg ttttgcaagg ttgncaaaga	540
tcaaattggt gaaggggnng g	561

<210> 7116

<211> 470

<212> DNA

<213> Homo sapiens

<400> 7116

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cgattctctt gcctcagcct cccaagtagc tgggactaca ggtacacacc accatgcccc	180
gctaattttt ttgtatgaga acactttttt gnactatitt ggaaagaacc actagatgta	240
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taanaaaaag aaaaatgcaa agtnccaaac agtatgnata atatgctatc tgntaattaa	360
aatgctaaaa gangaagaaa cagtnggaca gcaagaatca cacattctag caaaacccca	420
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<210> 7117

<211> 573

<212> DNA

<213> Homo sapiens

<400> 7117

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aagcttcttc ccaagggcct anctggcaat ataattctgg gaaaagggtta catntttagt 540
gacggttggt tatctggggc aatccgtent tgn 573
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<210> 7118

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7118

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aatcttggt gacttcaacc tctgccttct gggttcaagc aattctcctg cctcagcctc 420
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ccgagtaact ggggttatag gcatgagcca ccttgccctg gcatctntca gcttcaaaaa 480
gagatttaac aattaatcct cgactcttat cactaggaaa caaacaaggg catctnttct 540
ntttggctaa aggaaaa 557

<210> 7119

<211> 462

<212> DNA

<213> Homo sapiens

<400> 7119

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<210> 7120

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7120

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tattcattat attattagta taagtaaaat aaaaataagc aaaacagggt catgcttgga 180
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 aaaataaatg gtgggctata ttttatttct tgcagcactc aaagaaaaaa ngcccaagta 480
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<210> 7121

<211> 452

<212> DNA

<213> Homo sapiens

<400> 7121

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 ggtggagctt gcagttagct gagatcaggc cactgcattc cagcctgggc gacagagtga 420
 gactccgctc aaaaaaacnn nnnnnaaaaa aa 452

<210> 7122

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7122

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 ccatacccca catgaacatt ttattttccc atatgcactg ncatacatta caaagtccat 480
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 tatctggttn aaagaagttt tnt 563

<210> 7123

<211> 574

<212> DNA

<213> Homo sapiens

<400> 7123

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 ctaagtccta tgctcactgn tcaatgccac cagaattttc ttgnggggta aggnaaaggt 540
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<210> 7124

<211> 408

<212> DNA

<213> Homo sapiens

<400> 7124

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gtagctggga ctacaggcgc ccgccaccac gcccggttaa atttttttna ttttttttta  180
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gccgcctca gcctcccaaa gtgctgggat tacaggcgtg agccacgcac ccggcctttt  300
tttttttttt tttttttttt tttttganac anagtcttgc tctgttgccc aggctgaaat  360
gcagnggcnc aatntctgnt cactgnaaca tccacctccc gggttcaa                    408

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<210> 7125

<211> 505

<212> DNA

<213> Homo sapiens

<400> 7125

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gcttggaac acaaagtatt taataggatt tgctgactgc cataacatag aaactcaaaa   60
tacagtttca tggttctttt gccttgaagt aagcaaattc attcatttgt tcattcattc  120
attcatttat tcaacacaca tttactgagc acctaccaca ttccaggatc tgtgcaagggt  180
tctggggata ggaagatgaa tagaaggaca cagctcctgc cctccaggag ctcaaatct  240
gatggaggag gtgacgttct tgggtggtgt tccaagaaag aacagatcag aggagaggag  300
acaggaaaga gaaaaagttt cactttggac atgatgagtt tgctgggcct gcagaacatc  360
cgagaggatg agtggggctg gagctcaaat gcaagatcgg ggaatacaga tttgagaatc  420
atcagcccta angnggncat taaatgaang gtctgnctga gtcatgcnaa aactgtgtgc  480
agaatgacnt gagaatgaat caagg                                         505

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<210> 7126

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7126

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gagacagggt cttgttctgt agcccaggct ggagtgtagt ggcactctca cggctcactg   60
cagcatcaac ctcccgagct caagccatcc tctgcctcc tgaatagctg ggactacaga  120
tatgtgccac tgtgcccagc taattattac tgttattatg ttagtagag acaaggctctc  180
actatgttgc ccagggtggt ctggaagtcc tgagctcaaa tgatcctccc accgcagcct  240
cccaaagtgc tgggattaca ggcatgagcc attacacgtg gccaaccatc ctttattatg  300
ctcttatatg ttattattaa ctcacagtta ctgtgatcaa gaagagctaa aatttacaat  360
gggcttcctg tgggccagggt cctattcaga gtggcccaga gagaggcagt acctgcctgg  420
ggccgcatgg cgaataagca gaacagggat gggaaaacaa gtgggtggcg gaatcctgga  480
ttccatgcct taccagntn ttaaaacagc ttatgtcctg ggcctttact ggngccaggc  540
gcccggccaa ccttttn                                     557
    
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<210> 7127

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7127

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aaacaagttt tattttgaga acattttaaa atacagaaaa agtacacagg gtcataccat   60
acccagctgc tcagaattga caattgttca ttaccatttc ttttttttaa gttgaaacag  120
gggtctatta tgttgcccag gccggtcttg aactcctggg ctcaagcaat ctgcctgtct  180
cggcctccaa aagtgtctggg agtacaggct tgagccaccg cacctggcct attttatcat  240
tcttttccaa cctttttcta ccttggttc tccacaggct ccagggaggt ctagcttggc  300
tggtcaaaac ggaggtgaca ttgacagaaa gtgagtgatt aaagggtggg tgtcagagtc  360
ggacagatct gggttttttt tggagacaga gtcttactct gtcgctcagc tggaatgcag  420
    
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tgggcacgat ctaggctcac tgcaaccacc acctnctggg ttcaagtgat tctcctgcct 480
nagccccctg agtagctggg atttncggtg tgnngccacc acgccaagtt aattttggga 540
ttttggnnaa aaacgggggtt ttgccctt 568

<210> 7128

<211> 566

<212> DNA

<213> Homo sapiens

● <400> 7128

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aaatgaggtg ggaggagtgc agtggacagg gagcgccagc aggtcaggca ggagtacaga 120
caggcaaaga cacagacttc gaagccagag accagcgccg gagctgatgc ctgcttgcct 180
gcctgctgag ggcgagaatg cacctgctgt gggggcctga cctcaccgcg gacacccacc 240
gcgggagcac cagccctccc ccggtcccca gggatatggaa gccagggggc tttgtagccc 300
cacattgccc ggagttggat acaaacatcc caagagctag gggcgccttt actggctgga 360
aggtgaccgt tccatttccc caacatgaac tcagaaagct tcagccaggc gcaggaacat 420
cccagggaaa agctggctga gggcttcct aatgcagggg tgtttctnct ggcccctgtc 480
caagcagnca ccaanactgg caccaaatgg ttaaggaaaa taggcaaaga aagcntttgn 540
cctttanttt cttccttncc aggcat 566

<210> 7129

<211> 570

<212> DNA

<213> Homo sapiens

<400> 7129

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gagtgtgagg taccaagagg ctaaagaagc tgggaggttt gcctttaaaa ggagacaaaa 120

atcccaggga agctgcaagc ggaagggagt ggggtggccc ggaggcggag gactcaactt 180
 acagaggtga agtctgcaaa gcccgaggca gaggccttag aaggtttagc tgcagaggag 240
 gggacaaatg ggtcttttcc actaaacggg tccccaaacc cttttttact ttggaacggg 300

 tcgccgctgt cagccccgag tggctggagt ggatcggggg cctcgggaaa gtctgcggaa 360
 ccaagctggc ttacaggtgt acttttacct tggacatctg gctgaagtcg gcaaagcctt 420
 cagcactatt gaaggaccca cttccgaagg gatctaaggt tccaaaggga tctgacctt 480
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 gtaaggaagg gttttcggaa tggatcccag 570

<210> 7130

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7130

acaaagaatc aactttattg aacattcagg gtcagtttct cttcttgctc ttgcctgtga 60
 ccttggctgg tgtgaggact ggagctgctg cctggtacag ggnggaggan atcttggtga 120
 tgtagtacag accaaccatg ganaanatga agcaggnggt gacacanact cggnggatga 180
 ggccagatgc aaagagagcc aacaggaggc acagganaac tagggaggca agaagaacaa 240
 ggagggcaac ggtcanaatg gaaatactag gcatctgcac atggagtcca gganaaatcc 300
 ggggctctct gaatcctggg gaacctgctt anaagggtaa gcgtgactac agcaggagga 360
 ttctgattac cttaatgata cccagaacat ggaggttagga ggttgagtgt ggtggcttgc 420
 acctggaatc ccagcacttc ggnagggctg aggtgggcag atcactttga gcccaggagt 480
 ttganaccag cctgaacaac aaaggagagc ccatctntta aaaaaaaaaa aaaattgant 540
 ttaaaaaaaaat ttt 553

<210> 7131

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7131

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tctcagctca ctgcaacctc caccaccggt gttcaagcca tcctgcctca gcctcccaaa	120
tagctgggat tacaggcaca cgccaccagg ccagctaata atatatatat atatacacac	180
acacacatat atatatagga gacagagtct cactgtcacc caggctggag tgcaatgggtg	240
agatctcggtc tcaactgcaac ctctgcctcc cgggttcaag cgattcttct gcctcagcct	300
ccaagtagc tggaactaca ggtgcacgtc accataccag ctaatttttg tagttttagt	360
agagatgggg tttcaccata ctggccaggc tggctttgga actcctgacc tcgtgatcca	420
cccgctcgg cctcccaaag tgctgggatt acaggcgtga gccaccggcc cagccaattt	480
ttggatttta gtagagacag gttccgcatg ttggccaggc tagtctcaa cttctggact	540
tangnggatc caccaccttg ggcttcna	569

<210> 7132

<211> 571

<212> DNA

<213> Homo sapiens

<400> 7132

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ttcagaaatc tcttacttaa tttctgatgg acatacatgg agtgaaagag agaagtcaat	120
ggggactcca aagtttttga gtggagcaac tggaaggatg gcagtgcttt tcagtgagtg	180
ggaaggaatg caagcagagc agattttaat ctctggaaat gtttgtgaag gctcgatatt	240
agttctatgt ttgacagaat tcatcagtga agacaaaata acctcctgag gttatttttg	300
ggcaagaaca ggggtgcagt tctggatctg ttcagtggaa atgcccatta aaaagccatc	360
aagatgtgga acaggcaact ggatatggaa atattgagtc tggggagcag tctaggttgg	420
tgtcttcagt gccgtatgtg gtatttaatg tcacaggact gaatgagatg accaaaggaa	480
tgaatagaag aagagaaagt tatcatgaga agaagcanaa naaggggtca taangagact	540

ggttcattggt aactttttta ggaattaan a

571

<210> 7133

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7133

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 tacaggagtg caccacacct ggctatTTTT tttttttttt ttttgtattt ttagtagaga 180
 tagggtttct ccatgttggt caggctggc tcgaactcct ttcctcaagt gattcacctg 240
 cctcagcctc ccaaagtgtt gggattacag gcatgagcca ccgcaccag cctgctttca 300
 ttgtattcta ttggtcaaaa caaatctcag ggccagctca gatataagga gaaggaagga 360
 gactccacct cttgatagga aaaacagcaa agaattgtgt gctgtcttca atcacagcta 420
 ttttaattcc acagtaacag ccttgactg gtctccctac tttaatcctt aatgccttat 480
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 ttagaaggaa acnncccccc cccc 564

<210> 7134

<211> 520

<212> DNA

<213> Homo sapiens

<400> 7134

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 cttgaactcc tgggctctag caatcctcct gcttcagcct cccaaagggt atagagatta 120
 caagcatgag ccaccatact tgccattga ttattttcct ttaaactctg aagtcacgag 180
 aatgtgaagc cctgagaacc ggaactgtga agaaaatgta ttgtcactca tgtgaaccag 240

aagtgaaggg gtgtatgaag ctttgtgatg gacacaaagt gttgttgccc ctctgatgg 300
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 aagcactgga gcagacatgg agccaggga tgcttcctta tgaatttcag taactcgtac 420
~~tttcaactcct tcaagaaaac atgtgaggtg tttttgnttg ntgntgggt tatgntttaa 480~~
 ggntttttgg tggtaatggg ggtgggtggn ntctttcttt 520

<210> 7135

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7135

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 taggggcaaa attaaaagtg acccagatcc aagcccacgt ggtcctgtca ggaacacgac 180
 tctcacatgg caagtttcaa agatttagtt tcaaaattcg ggtttcttat tttaaaaaat 240
 atgcagttgt ttgacattag atctgacaga caaattatag cttcagcaat aaaggctttt 300
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 cttgagtttg gaggcatttg taggcgcgtg cgtcactctt tcttcctgc aaatataagg 420
 ggctccatca gctgatgagg ccgtaaatag agaagcgagt tacatggaat ttcgaggaaa 480
 gaaccagtgt gctggcaacc tttggaaatc anggtgatgg anccggtcag ttggttgcac 540
 tggcttaaac tggggggggtc cccttgg 567

<210> 7136

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7136

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 tctaaattta acaagtgaca gggttggttt caaagaaaaa ggtccatgct ttgcttacia 120
 tggagtctgc agtgagggga gatgctggga tagccatttc catggctctg ttatgcaagc 180
~~acaaatttca tctcctagat ggacttcctg gttttctctt actgcagtaa cactggcctt 240~~
 cccttctcta attccttacc ccagctgcgg catccctgtg ttaactcagg atgccaagtg 300
 gccctcagat tacacttctc cagatagctg aatgagtctg ctttcactgt gactgggacc 360
 tgaatgacct gcagtcaggg cccagagttg ggactctata ctaccctggg ctctggtctg 420
 taggtttgta gtagccaccg gtaataagcc aagggtctagg ctcttggttg agtttatggc 480
 cccctggaat tttcaggcat ctcagtatca gcggaagggc anacngatgg attcnacagg 540
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<210> 7137

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7137

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 aattgtctgt gtttcctttt taaatcaatc tgagcccttt tgatagtatt tattttccat 180
 gctcatattt tttattctat ttgcatattt ttttaacttg tgatttatgt gagtaccatc 240
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 gcaagaacag gtcaagacgt atttgtcacc tctctactga gaccacagtc ctttgagtgt 420
 ctcacgttac tatggtatct ctaacttaaa tggacccaag accctgctcc tgctcccaca 480
 aggcagttga accccaatcc tttggattac caagaatctg caggagcccc nanggccact 540
 tgcncagnca attcctttcc ntttccagt 569

<210> 7138

<211> 555

<212> DNA

<213> Homo sapiens

<400> 7138

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ctaaccacac tttcagtttg tttctacagt acttacagtg agttgctggt gtattttctt 60
tctgtttctt tctctctata tatattctta ccttccttcc tgcattgatga atttgacctt 120
ctagattttt ttttttttga acaatccagc ctggttgtga caaatggaga aagagagaga 180
agatcttaat tgtgatataa ttgaccttcc acctttgttc actccactt atttatttgt 240
ctttaatatt gttatgggta gttctttgtt actgttaaat attccctgtt ggatttttct 300
cttttgagac agatcttccc acgagggttg tatttagcca ccagcttggg aagtctaggg 360
tcgagaggat ggctctcacc agcagcagta ccattcaggt ccagcagagg gatcgatcgc 420
tgattcactg tgccttgggc gtcttcagg tctctacagg gtggccttct gatgatctcg 480
gcctcctgat tccttagact atttcgacat ccttcctttg gttttccaac cttactttta 540
agttggttcc ncagg 555
    
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<210> 7139

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7139

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caatgcagtc ttggactctg gggctcaagc aatcctcctg ctccggcctc ccaagtagct 120
aggactactg acaagtatta ccaactcctg ctaattttta atattttttt tgtaaagacg 180
gggtctggct ttgttgccct ggctggctgc gaattcccgg actcaagcaa cctttctgcc 240
tcggcctccc aaaatgctag gattataggc ataagccact gtgcctgtcc aaaactttat 300
ttttaatgac aaaacctatt ttccatagc tctgcttggg atgctgtatt taccctaagc 360
accagttttg gccctagctg gcctgtatac agcttttaggt aggctcttga tctagttttg 420
    
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ctataggcag ggtagatctc agtatttcat attttccttg tggcagagac agtggttaacc 480
 tttctctcat ggatagcgga ttcattgaga cagatttaac taagaactnt gatgattata 540
 cccgaacttc aaatggatc 559

<210> 7140

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7140

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 cagaaagtgc tgtgggtgaa cccagagtct cagggagcag aagccccct cgctggcttt 180
 cttcacgcgg ggtcctcggc aagctgctct gcaactgcgga gaacgtgcgc cttgtcctca 240
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 cagcttcttc atggtaagga cgggtgcaac agggatggca ttgttgact gtcccacgca 480
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 cccagnccaa ggcaaaatgt ttic 564

<210> 7141

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7141

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tcattctgaa acccaaggct tgtatttacc agtcctttct gctaaagtca tccagctact 180
 gaagaggaga gcctggaagt aaagtctgga ggaaaggtag ttgactgata aactgtccta 240
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 tggcaccaaa agcagcatta cacttgggac atttgcgctg gcgggtgtca tagcgtgtct 420
 tcacacactc aaagcagaag acatgaaaca cttagtaaga acagcatcct ttttacgcat 480
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<210> 7142

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7142

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 ggactatagg caccaccac cagccccggc taatTTTTTg tatttttagt agagatgggg 180
 tttcaccatg ttagccagga tggcttggat ctctgactt catgatccgc ccacctcggc 240
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 cttttggcca ttcaagttca atggttgctg ngggtttggc ataaaaggnt ctaataattt 540
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<210> 7143

<211> 542

<212> DNA

<213> Homo sapiens

<400> 7143

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at tttgggtg gagagaaaca caagggcaat ttggcacaac gctgctagat actgnggggtt	180
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acacgtagat ggatagcaag aggagttaa atgctggctg ccatcactca ggtctgggtg	360
ctcatgacct ccaggttg cccacattc ctcat tttcc ccatcctgaa actgctggct	420
gcccattgagc gaagactgac tgagaactgn atccgacatc cgggcaanct taagtgttt	480
tccagccnng agactcattc tggcaagttt tccactgtac ataacattgn cnnttgtttt	540
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<210> 7144

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7144

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cagggcaaca ccggttaacct cttcgtgggg ctgctgcaag ggtgacacag catcagcctg	180
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gttcaatgca gcaaaagcct gaacagcaaa tttcacctca gatgagtttc taacagcagg	420
atggaactgt tgtacttctc tgttaattaa aggagagaaa aggggttgga atgttat ttt	480
aaataagaca aaattttcat gaagatagat ctgataaata atagatttca ctggnccan	540

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567

<210> 7145

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7145

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caattctcaa gctgtgttga gaggattgac ttcaaagaga agaaaagtaa taattaaaaa 180
aatgcgacta tgatttttta aaaataaaaa agtctttttg gatctatgac agaattatgc 240
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gccttgtgta gattttttca tttagacctc aaattaatgt gtcattatca attagtctcg 360
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cataaccaac ttaaggacaa ggagtctaaa aaacagagtt gggtttttaa atncaaaggg 480
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ntaagagcct atttcctatc cagctg 566

<210> 7146

<211> 577

<212> DNA

<213> Homo sapiens

<400> 7146

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ggcagttcct gagtcctcca ccgcccctgc ccagcccctt ctgctgcctc tccccgcccc 180
ccaggccagg cgctgggcca gcaatgcaaa tggctggggg tgggatcacc aaagagaagg 240

ccaagccaac taccctact ctgccaggcc agtccccac aacctgcac cccaatacct 300
 gaatctccat ttgcaaacac agtggtatgc ccaggggtcg ggctgggtcc ttcccatccc 360
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~~tetgtgcacc ctnacaacaa ccctgtgagg taagtgggtt gggaagagtg accccctgga 480~~
 ctaangctca aggaggcaat gtgaccgggc caggaaggac cattcacat gcacaaggga 540
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<210> 7147

<211> 460

<212> DNA

<213> Homo sapiens

<400> 7147

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 tacaggagcc cgccatcacg ccagctaata ttttttgat ttttagtag agacagggt 180
 ttaccnggtt agccaggatg ggctcgacct cctgacctca tganccgct gcctcancct 240
 cccaaagagt tgagattaca ggngtgaggc gggaggacca cccgaggtca gaagttcaag 300
 aacagcctgg ccaacatgat gagaccccat ntctatataa aaaatgcaa aaaattagcc 360
 tggcatggtg gcacacacct ggaatccag ccacttggtt ggntganaca ggagaatcac 420
 ttgaaccng gagggagaan ctgcangagc caanatcacn 460

<210> 7148

<211> 581

<212> DNA

<213> Homo sapiens

<400> 7148

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 ggtttcacca tgttggccgg gctgggtctg aactcctgac ctcaagtgat ctgcccacct 240

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 tttttttttt aaaggacctc aggtgattct gatgcacagc tcaggttgaa agcactgaac 360
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 agatagtcc taactgtcag ccttgtggct aagtgaggaa gagataattt ggcaaaccat 480
 ggaaacccca cacaacacac agagctttta tctagagcaa ggagacngac aacttcccaa 540
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<210> 7149

<211> 585

<212> DNA

<213> Homo sapiens

<400> 7149

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 ctaggacaca anctggcgca ttcangtgat ggagcattgn ccatcttgct gnttntgggc 540
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<210> 7150

<211> 584

<212> DNA

<213> Homo sapiens

<400> 7150

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gttctgacat ctgggctctg gaactgtggg agaatcaatt tgtcttcagc cccgcagttt  180
gtggcaattt gttacagcag ctgtaggaaa tgaacacacc agccacctag aaaaccacca  240
gttcagatgg gtgggtcaga ttccaactcc acctgaaggg ataattctag ttttctccct  300
cctcatattt tcaactccgt tttctgacaa gaaacctggc ttctgtgatg cttaatagat  360
tgacttcttt ggtcagtccc ccatatgaca gcgacctccc tgctcctctg ccaccttgg  420
ccctgagggg gctccctccc gacctccca ctggactcag ggcagtgtcc tgctctgggc  480
acacacccat atcctctgct cacctaattg ctagaccaca ttactcggag gggaagggaa  540
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<210> 7151

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7151

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gttgcaaggt ttaatagagn gaaaacagag ctccataca aaggaggag acccaaagag  180
ggttgccatt gccggctcga atgcctgctg ngctctcagg cgatagatga ttggctattt  240
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ttgggtgtga gctaagttgc aagccctgtg tttaaagggt gatgtgtca ccttnccagc  360
tagccttagg gattcttaag tcggcctagg aaatccagct agtcctgnct ctcaatcccc  420
cctntnaaca ggaaaacca agtgctgttg gggagggttg cccatgaccg tctaactgnt  480
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 tttgaggcct taacatcnaa catggggct 569

<210> 7152

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7152

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 ctgggattac acgtgcatgc caccacacc agctaattct tgtattttta gtagagatgg 180
 ggtttcgcca tggtggccag gctggtctcg aactcctggc ctcaagtaat cctccacact 240
 tggcctccca aagtgctggg attacaggta tgcaccatca caccagcta atctttgtgt 300
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 gccagttcag tggttttcaa actcgagctt gtagcancat aactgggggg cttggtaaaa 480
 cctgatcgct ggccccaacc canggttttg attcaacagg ctggggaagg ctgaaaaatg 540
 ccttttaaca agttcccaaa gaagctt 567

<210> 7153

<211> 587

<212> DNA

<213> Homo sapiens

<400> 7153

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 caggcactag cgttattaca aggaggccat gtgagccggg catggtggca ctactcata 180

atcccagcta cttgggaggc tgaagcagga ggactgcttg gacccaggag ttcaagacca 240
gcctgggcaa catagcgaga cccactgca aaaataagga atgccatgtg aaggccacac 300
agacacatag ggtagatggt ttcagagact ggagtgatgc agcagcagcc aaggaaggcc 360

aaggattgcc aggagccacc agaagctgaa gagacaagga aggatcttcc cctggagtcc 420
tcaaaggag tgtggcttgg cctatacttg gatttcagac ttttagcctc cagactattc 480
tggtgcttta agccactgat ttgtggtaat ttgctatggc aggtccttac tctggctatg 540
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<210> 7154

<211> 491

<212> DNA

<213> Homo sapiens

<400> 7154

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caagctccgc ctccagggtt catgccattt tcctgcctca gcctcccag tagctgggac 120
cacaggcgcc cgccaccatg cccggctaatt tttttttttt ttttagtagag acagggtttt 180
gccatgttgg ccaggctaatt ttttgtttgg ttttcttttt tttttttttt tttttttttt 240
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caaggagtca naattcttaa atggcttact cagttggata tatagttgag ggcanaaata 420
aatttattaa tgaaatctnt gaccaaaaca aaccaatntc canaanactn tgggccncca 480
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<210> 7155

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7155

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gtggaaaaag aacagaaaaag caggagacag aaacaaaaac atgcaggaga gggtgattct	180
gttccatgat cttggctcag tgctccaggg ttcctaattgt ttcagcaaaa agaaaatcac	240
tgtaatgaaa tgtaatgaga ccctttgaca ctgaggaagt gacaactcag gcttggcctt	300
ctaccacaca cctataatct gtgacttgca acagaacttt tcccgaagag cgcagtcctc	360
cctgagcaaa atggctaggg cctacgccgt gatttgctgc tctggaatgg gacacacatg	420
ttgctaatacc ttgcaaaacc agcttgaaga accattttcc tncctgagaat tttcttctgg	480
tcactgctaa tttnggctac ttaagtnent tggttcttct tcactttaag taaatatctc	540
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<210> 7156

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7156

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tacaggtgcc cgccaccacg cctggctaatt ttttgtatct ttagtagaga cgaggtttca	180
ccatgttggc caggctgggtg ttgaattcct gacctcgagt gatccgctg cctcagcctc	240
ccaaagtgtt gggattacag gtgtgagcca ctgcgcccgg ccaaaatcag gaaatctttc	300
ccaaaacatc ctgtatatag caacactcat aactactact ttatggcaga ataattggacc	360
cgattacagg ttcacatgga aaaagttgat atttcagcca cgacccaaat ataaacagga	420
tttttcataa gggagtaaaa tggngnggtc ataaccgaga taaggtggng gggtcactctc	480
tgngctgaga aactttatct tactagtagg aaacatagta atccctacan tcattaaaag	540
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<210> 7157

<211> 552

<212> DNA

<213> ~~Homo sapiens~~

<400> 7157

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ctcccaagta gctggtatta caggcacgtg ccactgtgcc tggctaattt ttgtattttt 180
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gctcatccct tcagccccc atgnccctgg aaccttgccc gggggcaagt gccccctttg 480
atgatctagg taacatgaen aatcgnttgg aganctgggc aatctgggtt aacttaaacc 540
ttttctaaga cn 552

<210> 7158

<211> 494

<212> DNA

<213> Homo sapiens

<400> 7158

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accgtgttag ccaggatggt ctctatctcc tgacctcgtg atccgccac ctcggcctcc 240
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aaaggttgaa ggagttgggg gagtttgat acagaccag ggagggcgcc ttgtggagat 360

ggaggcagag atgcggctga cgcttctcca agccaaggaa catcaaggac gccggccacc 420
 agcaggaact ggganaggcc tgggcaaata ccccgtnagc cttangangg accaancctt 480
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<210> 7159

<211> 528

<212> DNA

<213> Homo sapiens

● <400> 7159

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 ttggtccacg actgctcact ctttccagag ctgcaactgga aatacactat tctgaacggc 360
 ccaagttcct ccggagtatt cctctgatgg ggcacaaacc tgggtggacca caagcatgct 420
 ggtaccaagt gctttttatt ttacaagagc cattctgntc cntttngggc gaaccggggc 480
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<210> 7160

<211> 524

<212> DNA

<213> Homo sapiens

<400> 7160

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ccgccagctt ctcttccact tccccacacc gtacatgcct ctccctttct ctctataact 240
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 tgctggcccc cttcanggca cttnctaatt tcaatctttc attaantaag gcagcttaga 480
 agctgntttt cagcttgnaa aagnccaacc cggcangaat tctg 524

<210> 7161

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7161

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 gtaacattcg caattcaaga ataaaatctt tggtagagaaa tgcaagcctt aaccaggagc 420
 ttttaagtggg gaaacctatg taatacgcac ttttccactt aagctgcagg gtagcattac 480
 atgccgnaga ngacccggtt tttgcncatg gnactnttan ccctgaggat gaaggggacc 540
 cagctaactg a 551

<210> 7162

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7162

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aagtttaca tgaaaaggct cactcctggg atccttatcc cccaggtatc tagttctgct	180
ccttgagac taccaatgtg atcaggttct tccatatatg tcttcagaga cagtctacca	240
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ncagaacagc aggttttaac tgggagggtc aaaagccaag ctatggtatc tacctttggc	540
gatnttaagg tgc	553

<210> 7163

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7163

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acatgttgta ctgtggcatg aggtcagcag agacttactc cagccctgtg aggctgaatt	180
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gctgtacaga atgcctgttc tagaaagtaa tggcaattcc aaaacaagag atctatgggt	300
tcacatgaga taatcttcag cccagttaag caataagcac caaaataact ttgaatccca	360
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gatcattaac cacatactgg atctganctg actggtinctg ggcacttcca nctacttgaa	540
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<210> 7164

<211> 467

<212> DNA

<213> Homo sapiens

<400> 7164

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gatatgaatg tgagtatttt ctaattggct ttggttttga cctatcaagt ggagtatagt 420
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<210> 7165

<211> 504

<212> DNA

<213> Homo sapiens

<400> 7165

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gtttagggat ttttctacct gagagtgtgt ggctctgtgg tagccaggaa gctaaagcct 180
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gtgtgacctc aggcaagtca cctcccttc aagcctnagc ttcctncact gnnaaatga 480

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gaangctgac ttgacctggn ccan

504

<210> 7166

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7166

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 ggcaataaca tacatggagc tatcatctct gtaataatgc cttcatctgg aatatctcat 180
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 caatagattt gtttatacca gcatcatcac gcacatgtga gtaacacatt gtgctgtgat 420
 gttatgggca actatgatgt cacttaggaa taggaatttt aattctatta taacntatga 480
 gaccacggca catatgtaac ttggccttan cgaacatctt atgtggngct gactaaagat 540
 cacccaacca a 551

<210> 7167

<211> 545

<212> DNA

<213> Homo sapiens

<400> 7167

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 ccatagtga tacccttttc agcatgaagg gtgaaatgtg aatgatcta atctgcttgt 180
 acgcaatgcc taacgtgggg ttgcatagat gtgatgctgg atggttttgt aaccattcct 240

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 ccttc 545

<210> 7168

<211> 573

<212> DNA

<213> Homo sapiens

<400> 7168

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 ggggtgtcac atgtgaggct gtgagctcca catagcacia aggaggcttg ctgacttttg 300
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 gggggctccc ctgagggtca gtgagggcct gacccaggc angaactgcg tggacgcttg 480
 tcttcaaccg ggacaaacct ggccttcggt tgcntntgcc taatgnattg ggttccanac 540
 tgggcccgga naaacctggg tgggaaactt ggg 573

<210> 7169

<211> 572

<212> DNA

<213> Homo sapiens

<400> 7169

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ctacaggtgt gcaccaccac gcttggctaa ttttttagtt ttttgtgga aagagggttt	180
cacattgccc aggctgggtct cgtgctcctg gacttaagt atcctcctgc tttggcctct	240
caaagcactg ggattacaga cgtgagtcac cgcaccacgc cctatgaaca ccgtcttact	300
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ccaaagacct gagccctccc accaccggc agtccctccc tggcgcggnc accagcctac	420
cttcagccccg ataacattct gcccgctctac ctacacacg taatgggttg gtgaagaacc	480
cggtgcggcc cgcaaaattc ctttgaccng agagacaatc ttnccttntt ggacaccaag	540
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<210> 7170

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7170

aataaatact caatatgcag attttcccct tttttctcac tggtagctac tgcaatgccc	60
agaagcactg gctctccatg ctgnggaaca tgcccaacac tacgctaggc aatgagagat	120
actgatgagc aaaacacact tgtggcctca tggaatgaat ggaaggaggg agatagcaca	180
taagtatttc aggtagtgc aagtgcctatg gaaaaaaacc caagacaggg tggacacagt	240
aacctcttca gatgcggcgg tataggcagg aaggcttccct tgagatacca ggcaagctac	300
gagctacctg atgaggaacc agtgggagaa catctggttg cgagggttg gccaggggga	360
agggggctct gacacaggaa caaatattgat atgcttgaaa atcactaaga tcaactgnggc	420
tggaacacag tcagagagaa aaatgtgtan taaatgaggn gggaaaaaaa agcnnggccc	480
attcaaatca aaactttnaa ggccatggaa agnaatgccg gaattgccct aagtnccaat	540
ggggaag	547

<210> 7171

<211> 352

<212> DNA

<213> Homo sapiens

<400> 7171

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aaagagagca ggtcttgcca tgtggcccag gctggtctcc aactcctggg ctcaggtaac   60
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ttttttaatt ttttgtanan atagggtctc gccatgttgc ccagtctagt catgaactcc  180
cgagttcaag caatcagccc accttggcct cccaaagngt tganattaca ggtgttgggc  240
caccacactt ggcctanaaa tcattttcca ggcacggngg ctcatgccta taatcccggc  300
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<210> 7172

<211> 550

<212> DNA

<213> Homo sapiens

<400> 7172

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gagacctctg ccactccttg atgcaggac caaagtcacc agtcagagaa caagtcattt   60
ctctacctca gccaccattt tgttctaaaa ggnaacatag aacaaatgtt aagttttcca  120
aagtccagat ttatgatcag agttaatgag ctgaataatc agctgtaaga aacactgatt  180
aaaaacattt acatgagtta atttgtgtta ctgactttta ctagaatgta ggcaccctca  240
ccatgctggg gaggggtgcct aaaagaaaac catacttcca aactctcgct ttagtaactg  300
taccgcttac aaagagccca acagtagctg aagtttatta ccgttatgtt gctgtgaatg  360
ccaccaatat gtactgtcag acttgntttg ggtgaaaaaa acaactgcaa aaccaatttt  420
tttttctaac atctgatagg gacttgatga agccgctaaa tgctaggggt tacatttcag  480
gaaacaactt atttatggta tgggtgctat taatcccaaa gggnttcacg gngaaatacn  540
ggntttncnc                                     550

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<210> 7173

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7173

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gtagagatga aatctcacca tgttgcccag gctggccccg aactcctgca ctccagtgat   60
ccacctgcct cagcctccca aagagctggg atcacaggcg tgagccaccg tgcaagccct  120
acaattttaa atacttaa atgttgtaagtt ttctgtttcc tgactgtact ctgatagatg  180
cagtacttgg caccagaatg tgccatgaga cagaccctaa aagacacagt tgtgcaactg  240
atttggttgt gttcctgtcc ttgtcctcac ctgtggttga caagaaagcc gggctccctg  300
ggctctcagg tgtgcaggac ttgccctccc agccttcccc acgggagcca ctgccccttc  360
agtggggtgc tccagacaag ggcgacatcc tgcgctttca gggcccacag aacactgatt  420
ttggtgaatg ccaaattctg gggcccaaaa acaccatggn gggccaccag cnaaagnggt  480
ggctgacggc aagggatcat gccactgggn gtccaagtgc atnttgaact tgggcctgga  540
agttttgaaa ancctgcttg ngg                                           563
    
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<210> 7174

<211> 524

<212> DNA

<213> Homo sapiens

<400> 7174

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gagacgtagt ctactctgt tgccaggctg ggggtgcagtg gcgtgatccc ggctaactgc   60
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actacaggtg catgccacca cacctggcta atttttatat ttttagtaga gacagggttt  180
caccatgttg gccaggatgg tctcgatctc ttgacctcgt gatccaccg cctcggactc  240
ccaaagtgtt gggattacag gcgtgagcca ccgtgcccgg cctaaaggag taaattttaa  300
    
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gtgttctaac cacaagaaa tatgtgaagt aacgcatatg ttaactgggt tgatttagcc 360
 actccacaat atacacgtta tttcaaaacc cacaggcatc acatcccatt tctcaccat 420
 gagtagaata aatcatagac cacatcacag caataaggng acanctgtgt cancnggggc 480
 aaggntaca ggacttacca ncaaactct aaggggctnt ttg 524

<210> 7175

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7175

gagacggagt ctgcttggt gccaggctg gagtgcaatg gcacgatttc gactcaccac 60
 aatctccgcc tcccagggtc aagcgattct cctgtctcag cctcccaagt agctgagatt 120
 acaggcatgc accactacac ctgtctaatt ttgtattttc agtggagatg gggtttctcc 180
 atgttggtca ggctgggtctt gaactcccga cctcagggtga tccaccgcc ttggcctgcc 240
 aaagtgctgg gattacaggc atgagccaca gcacctggcc ctatttttgt atttttaatg 300
 gagacgaggt tttaccatgt tggccaggct ggtcttgaac tcctgacctc aagtgatctg 360
 ccagcctcag gtgccaaagt gctgggatta cnggcaagaa cactgtgcc cagcctactg 420
 ncaagtattt ttcagatgan ggaaaacca gacttcagag aaattaagga atctgtccaa 480
 ggcgtatagt caaggnatca gaatctgaa ctggagcctt tcaatccaaa gtccaagctn 540
 ttaatcttca ggccccactg gt 562

<210> 7176

<211> 546

<212> DNA

<213> Homo sapiens

<400> 7176

ccccatttaa aaatatntta cagnggcata actttccctg tacaaatngg gtttaagaaa 60

caaaaggac aatngctaa tcaatgatga gcctttaatc caaccattat atatcccctt 120
 tccatcctta gatcccttga agagaccatt tagttaagac taccaacagg tgacaccctg 180
 acctccttac caaccttgcc ttttagaggt gaccagagac ctgtgctttt ccaaagtact 240
 gttatacgtg taattagtat aatatcaatg tggggaaact ctacctttgg attttgagga 300
 ctctgctttt cttgaaaccc tctgggtag agactgttta ttcatatgca cctcaggaac 360
 ttgaggccaa gatgaagttc actgcttcct agtcctttgc ttgntctcct ggccattatg 420
 ttccaccttc attcaaaatg ccttctcttt gaagctgntt ataaccaag caacaccatt 480
 aaactnactg ggngcttaac tggnetcaat caccacnttt tccaagtcna cttttncctt 540
 ttttca 546

<210> 7177

<211> 554

<212> DNA

<213> Homo sapiens

<400> 7177

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 catggaaggg aggaagcagg accagctcac gggctggaga tgaaccaaga agggttgtcc 120
 atgaggtgaa gctgggtcag agggagcagg catggctgag gctgtggtta ccatctagaa 180
 ggagaaggag tagtggggag ggaaatcact gctcctgggt gcccaggaa atgtagtctg 240
 gctgggtggc cgcatggtac tcatcaatga gctcctgaac aacctcccta gacctgtcca 300
 tctcatcaaa gttgtccttg aacatgtcct ccttacggaa ctgctcgagg aaggcatccc 360
 gcttccgcag cttgtcaaac tgctggcagg aactttcaaa gagcgaggag atgctggtgt 420
 ggttggccat catgagcccg ctgaccggt gggcccaggg cangtaggga gactttcttg 480
 acaggggcca cctggatctt gccgggnccc acnggatgaa nttggccact ttccgttccc 540
 ggntcttttn gggt 554

<210> 7178

<211> 565

<212> DNA

<213> Homo sapiens

<400> 7178

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ccgagacgaa gtctcactct gtccccagg ctggagtgca gtggcgtgat gtcgactcac   60
tgcaacctcc gcctcctgag atcaagcgat tctcctgcct cagcctcctg cataactggg  120
attacaggtg tgagccacca cgctcggcca acattctgag attacttttt ttttcatttg  180
gggagacgaa tcccttacta gcagagctgt attgagggtt aacgggtgga atgggtctcc  240
agggcttggt gcagtttgta ctcaacaagt acgtaattct ctcctttggt tgcccctgaa  300
tacaagagtg gtcttgtact tccctgcctg aacagtcac agccaatggc actccagtcc  360
ttgtcacatg gttccactct taggatgtaa attaggaggt accagcttga gaggcanagg  420
caaaggcaag gttaagatgc agctgtgang ctgggcacaa tgggttcacg ccctataatc  480
ccagcacctt tgggaaggcc gaaccgagcg gaccancttg aggncaaana gttcgagaac  540
cagcctggnc aacacgggga aaaat                                           565

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<210> 7179

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7179

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aagagagaca aagttttgcc atgttgccca ggcaggtcct gaactcctgg gctcaagcga   60
tcctcccacc tcggccttcc cgagtgtctg gactacaggc atgagccacc acacttagcc  120
tgtcggagtc cttttgataa taagggtgact tgaggagaca ggaaggaaac actaaagcca  180
gcacagggtg tcccggggca agtgcattcc aggccaggaa gcatacgagg caggatgtgc  240
tcggcatgtt caagacttca gggacaccag gggcagatgg aggatggcag agaatggtga  300
gaggaggcca gagcaggcaa gaggccttta ggactctggc ttttactgag ggacatggac  360
gccgttggaa ggtctgagct cggaatgacc tgactgacct gtcttacagg gacaacttgt  420
ctgtgggggg aactggcan ggaagcttgg cttgtggcca cccaccggcc ggcactggca  480

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acctcgtcct tgcctttcac aatggaccng gcntgggctg ngtgacccca gatncnganc 540
ttatngggaa t 551

<210> 7180

<211> 518

<212> DNA

<213> Homo sapiens

<400> 7180

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cagctgagag cagcctgcct ggtcctccgg gcagtggagg gaaggaggat gaaagtaatg 120
aagcagattc ttgtagctga ttgctaggac ttgggaggag agctgagagc atgtcctatg 180
ggaagaaagg aggggaagagc cttctgccag agtgtctcag tcagcaggag ccgaggagca 240
tggcagccca ggctaaaggg tggcactctc tccaacacag ggcaatatga ggtctgtaga 300
agaggctagg aggaaaccgc acatgaggaa aaacaagcga ctcatggcat gttatagcga 360
ctccaccaag gcattttatt ctctacactc accatgaaga caatggaagg ntatagaatg 420
tgggatgggg aagccggaag tcataattca tttaaaatcc cttctgggn ttaatatgtg 480
ganggttcaa tggnccggan aagaacntt tnaaaanc 518

<210> 7181

<211> 487

<212> DNA

<213> Homo sapiens

<400> 7181

aatagagaca cggctctatgt tgcccatgct ggtctcaaac tcctgggctc aagcaatcct 60
cctgcttcag tctcctaaag tgagccacca tgcctggccg gaactcttgt tgcaagaaca 120
ataagcatcc actactgcag ctgaaaacat ccctgacaga cccatctccc tggatattcag 180
ggagggatgg actaggcaat gattcagaag tcatactgaa aagctgcctt tttcctactg 240

gtgcccctgc agtctgagcc caagcagaca catacttcag aggtgctaca ttgtgctac 300
 aaagcacaga tccttcttga cctggaggcc agccttaccc actgagacca ggcticctgna 360
 gttctccagc atcacttccc tgtacaggga ctcttggttg aggnccaaca gtccccactn 420
~~tttengggtn aaaccaggg tacatttttc aaaggcaatg ggtinctaaaa atcccnattn 480~~
 ttgttaa 487

<210> 7182

<211> 532

<212> DNA

<213> Homo sapiens

<400> 7182

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 caacctccgc ctcctgggtt cacgcgattt tcctgcctca gcctcccag tagctaggat 120
 tagaggcgca caccacatg cctggctaata ttttggtgta ttttagtat agacagggtt 180
 tcactatggt ggccagactg gtctcgaact cctgacctca tgatccacct gcctcacct 240
 cccaaagtgc tgggattaca ggcgtgagcc accgcgcctg gcacccatag gcaactttct 300
 tagtctgttt gtgctgctat aacaaaatac ctgatttata aagaacagaa atgtatcaca 360
 gttctgtagt ttatgaagtc caagatcaag gcatcatcag gttcaaatgt cctcttccaa 420
 ggggtgcctt gatgctgcat ccttcanaaa ggacntgtgc ctcacgtgcc aaaaggagg 480
 acaagggaan ctgcattgag ccnctttatg aaaggtggan ncnctttcca aa 532

<210> 7183

<211> 506

<212> DNA

<213> Homo sapiens

<400> 7183

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ttgcctaggc tggaatgcaa tggcatgata tcgactcact gcaacctcca cctcctgggt	120
tcaagagatt ctctgcctc agcctcccaa gtagttggga ttacaggcgt ttgccaccat	180
gcctggctaa tttttgtatt tttagcagag acagggtttc accatgttgg caggctggtc	240
tcgaactcct ggccctcaggt gatctgccc cctcagcctc ccagagtgtt gggattacat	300
gcgtgagcca ccacacctgg tctctcttct ctttagaatg ggcttcctaa cagatgacat	360
tttatttatt tctcttggct gctttgctac tctccacta gaaatcaact gcatgaaggc	420
ccgggctttn ggttgctttg gttggnttaa ctncagtgcc tggaactgnc cctgggacat	480
agcangnncc atataagatt gctgag	506

<210> 7184

<211> 183

<212> DNA

<213> Homo sapiens

<400> 7184

cttttttttag aaaaataggc cgggtgcagt gactcacacc tgaaatccca gactagggag	60
gccaaaggcca gtggatcact tgaagtcagg agttcaagac cagcctgacc tcangngatc	120
tgcccgctt ggcttnccaa ngctctggga ttacnccgt ganccactgc acctggccta	180
tcc	183

<210> 7185

<211> 430

<212> DNA

<213> Homo sapiens

<400> 7185

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aagaaggngg ccatcatntg caagccaagg agagagaana aaccaaacct gctgacacat	120
tgatcttggga cttctagtct ctanaattgn gagaaaagag atttctgttg tttaccaccc	180

attctgggggt attttgttgn ggaaacccta gtaaacatac tatattaaaa ttcttcctta 240
 tgtccatag aaatactccc aactttaatt tattcataat ccactttctt tagtttacag 300
 agtcctcata aaacacaatc tatacttgaa tgcagtgagt acactgcact ttgacctttt 360
 tttttttttt tttttttttt tttttttttt tganatggan tctgggcttt gtcncccagg 420
 ntanaangca 430

<210> 7186

<211> 498

<212> DNA

<213> Homo sapiens

<400> 7186

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 cctccccctc ctgtattcaa ggaattctcc tgcctnagcc tcccagtag ctgggactac 120
 aggtccgcgc caccacgccc ggctaatttc tgnattttta gtacatcctg ttgnacatcc 180
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 gcgttgggat tacaggcatg agccaccgca cctggccana aaatattttt atataangga 300
 accagaaaga catgccattt tcaaaaactgg canaattaaa tcctgaattt tcaaaatatt 360
 tcaaaaatgg ttttaaaaga gccactcact gggtttcctc cngacattca tttantaagn 420
 gggcctatag catcattcca tttntggaa acagtgcntt ttaggaatca aactggctta 480
 ntaaaggggg gngccccc 498

<210> 7187

<211> 542

<212> DNA

<213> Homo sapiens

<400> 7187

caaattacta gaattttatt agccaaggga tagcagctgg aggagaaata acaaaaaaat 60

acatcttaag aatccttaag tacagtgcatt atttacaatt taagtgtcat attttagaag 120
gccactgtcc atcagctcag taaatgtacc agcttctaaa gccatgatgc cataggtcca 180
tttgttgatg aaattcctac ccactgtcct cgggcatctg actctgggtct ctgcactggc 240

atcaagagaa cgctgctcgg tggtttaagg ctaacacctt acagggtaac actgtaacac 300
tggccctgga gccagggtgct tttctccatg aaaacttcca ccttggttagc tcagccgaca 360
tagacaacac acaaagcgca gctctgcact tctgtcctta tcttcacaca gtgacatcca 420
caccagggtgg ccaaacagaa gagaaggcag agggccacca agagctgatg ctgngcaatc 480
cttggggggac atccttcggc ttactggggg acnaanccag gttttggagn cttttccctg 540
aa 542

<210> 7188

<211> 544

<212> DNA

<213> Homo sapiens

<400> 7188

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ggcacgcgcc actggccaag atggtctcga tctcttgacc ttgtgatcca cccgcctcgg 180
cctcccaaaa tgctgggact acaggcatga gccaccgcgc ccagccccag actttttttt 240
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tggagaacng gaattttaac tgttgccaaa atggatgcaa tgggcnactg ggctactaca 480
actcgcttct gggttaagca ttttctggct aagcttccaa ggactgggat acggggcctg 540
cacc 544

<210> 7189

<211> 550

<212> DNA

<213> Homo sapiens

<400> 7189

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aagacggagt ctcgctctgt caccacgct ggagtgcagt ggcaagacct cggctcactg   60
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tacaggcgcc cgccacatg cccagctaatt tttttgtatt tttagtagag acagggtttc  180
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caaagtgctg ggattacagg cgtgagccac cacgcccaga tatcccagc ttcttttaat  300
gccatcttac ctctcagcc tcctcaaacc aaagccaacg tcttctcatt ttggtgctgt  360
cctcgtttgc ggaataacta atgacattta aaatcaaacg gtgatctgcc ttctagaaa  420
accagcccc cacctagaga acacccttcc cagcgtctg gggcccctnt ggnacctgna  480
gtctgatcca cgangaccgc gaagttgatg aatccggcca aancgagaga acatggcttn  540
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<210> 7190

<211> 574

<212> DNA

<213> Homo sapiens

<400> 7190

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acaatttctc atatggcaag atctgggagg gctttgtttc accttttttt tgaaggcagc   60
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catcccactg cttcatccc ctccattgtt tctgatgaga agtttgctgt taatctattg  180
gggtaccctt gtggcacatt gtttttctct tacagctttc aacatttcct ttcactttta  240
acatttttac tatgacgtgt ctgtttgtgg atatgtttgc attcattctg ttcacagttt  300
gttgagatgc ttgtgagtat agattaatgt ttgttcaata aattgtggat gtttttagcc  360
attatttctt tgaatatatt tgtgcttctc tttctcctca cttatggta ttctcattac  420
atgtacactg gtgcactgaa aggcgctcctg aatttctctg aggctctggt tataattctt  480

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tggtctaatt tcttaatcta attcttcaat ttccnaatct aatttctaatt gggaanatgg 540
aattganggt gcataattct atggactatt tgna 574

<210> 7191

<211> 522

<212> DNA

<213> Homo sapiens

<400> 7191

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gagcggaaacg gtcggcggca ccccccccag cccccacccc gcggcctccg tgggacggga 180
gagtctgcgc aggacggcac cgaggggcac ctctgctccc agagctgtcc cctgtcccca 240
cgacccccaa cccaagcaa ctcccaaaca cacacggaat aagatttcca gtttttcttc 300
tctctttcac acaccacagt tagttcataa aatttttttg tttacattt tttacaccaa 360
tgtacaaaa aggtgggagg gaaggaggc tggcagacag tggattttat gcctataaat 420
ggggggacag ggaggaggac ggggggcccg ggtgaacaaa aaccacacng tctctatgga 480
aatgtggaga gaactgaaan cnaagtgtng canaancang ct 522

<210> 7192

<211> 578

<212> DNA

<213> Homo sapiens

<400> 7192

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caacctctgc ctcccagggt caagcaattc ccttctctca gcctcccaag tagctgggat 120
tacagccgcc tgccatcatg cctggctaatt ttttgtattt ttagtagaga tggggtttca 180
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ccaaactgct aggatcacag gcatgaatca ccgcgcccgg accagtgtaa gcattttggg 300
 tgctgccaat caaggactta tttacctttg catccctgct ctgaggccag cacaatcctg 360
 tcacacagta ggtacacaat gcacatttgt ctagcaaaaa gtactggaaa gcagaagggt 420

 ggatagaget ctgcctgggt tcaaatccag gctntggcat ttactaactg aaanccttgg 480
 gcaagttggt taacctctct gggcctgttn ctgactggng aaacagacng aanccttctt 540
 atgaggtgga ttaaagaccc aatggaatta atatnccn 578

<210> 7193

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7193

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 atgttgccca gtctggtttc aagctcctgg cctcaaatga tcctcctgtc tcagcctccc 120
 aaagtactca tattacaggc atgagccacc atgccctgct gtaaattgtt ttgaacagag 180
 ggtgaaatag gcttagggag gaacatactg agtctgaaat agaacatcca ggtggaggat 240
 cagccatcag tgagagctgc acaaaggcca tgattagagc attgactcag cttagagaag 300
 ggagtcagag ttcagacagc cacaggcaat tcctagagta agtgaagaga acaattttga 360
 aaggcacctg ctgaagaaaa gcaattattc attcctaaaa ggcactgccg atccttcaca 420
 ttgaacatca gaaaaggcca cttctgaaac aaggcttctg tgggacaaag aaaaactcta 480
 ttctggtctt aaaaatctca aaacccgacc cttttatggg aaggttcatt taaggnccta 540
 nttagaaaac cgttcncnga attggaac 568

<210> 7194

<211> 574

<212> DNA

<213> Homo sapiens

<400> 7194

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ccatgttggg caggctgggc tcgaactccc gacctcagg gatctgccg ccttggcctc	240
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ataaagttag catgttaa atgnatctnc aattccagga tttccatgag acttgnagaa	480
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<210> 7195

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7195

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ttcacacttt attataaaat agggtttgtg taagatgatt tttcccaact gtaggttaac	180
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taaaccatc ctaagtcaag gagcatctgt atacatgaag ctaacattct attcctatca	360
gacagtgttg ctctaaagta tgtcactgca aaacttaagc cttcaagtaa aatgatcaga	420
tttgattctt agaaagatta tatgccctgg tgagactggg ttaaagattg aaagccgatg	480
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aaanggt	547

<210> 7196

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7196

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taactccacc ttccacaca ttgtcaataa tcatttacca actgactgat agagaagtgc 180
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ctggcaagga tgcggt 556
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<210> 7197

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7197

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ctctcctagc acaaacccta cctctcaggg gaggccagca gtctcttctt cctgataaca 180
tttttccatt tattctaggt cataggccct acatagctat gagagggaga ccaggagact 240
gaatgtgcct ggcaatagct atcttccata ggaatggctc attaagaata tcatttcatg 300
tcagatgggt agactgtatc gaataccatg agtggcaagg gttctgcttg gcaaggctct 360
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 tgcccactat cctcatcatc cagcttcaat tgagatgagg cataaaggta agtctgngga 480
 cccttctagc agaaaaaaat gccagangga atcacatgtg angnttttaa ggctttactc 540
 tggetgaact ggggtaaacc ta 562

<210> 7198

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7198

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 ctctaattt gcanacatgc ttgaacactt aatggaaggt gaagtttatt ttgnggcccc 180
 tcagttctnt ttcaagtcct ctagtanaaa gtctccatgg ngtgatcttc tgactgggta 240
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 ctctattccg actatccatc gatctccttt cctcatcctc aaaagcttcc tcccggcatt 480
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<210> 7199

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7199

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 ttttaaagc cctangtggc ctttccgatg ggtattacag gngtaaaggg aaatgngatt 480
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<210> 7200

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7200

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 aaaatctcaa cttgagcaga tatgaaataa ttttaaacc tttaaaggcg tattgagaaa 240
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<210> 7201

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7201

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<210> 7202

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7202

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gccgaggtta gcgatcatg aggtcaggag atggagacca tcctggctaa cacagtgaag  180
ccccatctct actaaaaata caaaaaaatt agccaggcgt ggtggcgggc gcctgtagtc  240
ccagctactt gggaggctga ggcaggagaa tggcatgaac ctgggaggca gagcttgcag  300
tgagctgaga ttgcgccact gcactccagc ctgggcaaca gagcgagact ccgtctcaaa  360
aaaagaaaaa aagaaaagaa aaagatatg gcagaattca actgtatgca atggaaggac  420
ggaagtcctt ggttcctttg ctgggtatt gnttgggggc attcccagct actagagtct  480

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gncatgcatag aaatggtagg tagaagtctt ctaacacttc tctctgntct gntctccttt 540
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<210> 7203

<211> 565

<212> DNA

<213> Homo sapiens

<400> 7203

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cactctgtcc cgcaggctgg agtgcagcag tgccatcata actcactgca gcctcaaact 180
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atgatgatca ccattttaca gataaggaaa caaaatcaga ganggagtgt gactggccaa 480
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<210> 7204

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7204

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ttaacaggca aacatgttat ttgtttgttg ttgtttggaa attagcattg ggaaaagcta 180

tataacagag gaaattccaa gtaaaatcaa acagtgttca ctcttaactc taaacacagt 240
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 caccatgagc ttctgcacgg ccagcagagc attatagcgg acctgctggt cttcatgatg 420
 catgtggtca tgaccagctg cttncaccg agctgctcga tgaccccggt tgctcgnng 480
 ataatgccgc accatattct tccaacatcg tgagccagca acnggttaaa acttggggac 540
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<210> 7205

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7205

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 ttngtttaga catttaccaa gtactttttc tgggtgnggt cactgcccta acctatcaaa 480
 actgggttct acccttaana acttacatgg antaaggngg catccaacaa accagacntg 540
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<210> 7206

<211> 480

<212> DNA

<213> Homo sapiens

<400> 7206

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actgctgaaa	atcaaagaga	gagaatgtgg	aaagcagctg	gggtgagtgg	ggtgggagga	180
gacaattata	cataggaaaa	caacgctnca	aaagactgca	gacttntcat	agaatcaatg	240
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cccaaaagt	ttcaggcgtg	gactngcact	gtctgacatt	tccatcgatg	gcctgcatna	360
ngaattggcg	gtgaacatcc	tcttncatnt	ncactggggg	tggaagggtt	gaacctgccc	420
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<210> 7207

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7207

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ttttctagat	ttcctgctac	tgctttactt	tcttggtgct	gaaagaaaat	tattttgtct	180
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gcagagataa	atcctgtttg	gtaagaaaac	ctaaaggttc	aattccaacc	cagctatcaa	300
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ctaaaaaaaa	ttttagtagga	ggtagatata	tttgtgaaca	ggttgagctc	tccttacaac	420
gaacagcagc	ttctatcttt	caatgcaatc	tggcagaaag	actagctcat	cacaaagcag	480
aaaaggaatt	cattanttaa	aggtgaagga	ntggccccc	ccnttagccg	aanaaaattg	540
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<210> 7208

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7208

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 aggcattgtc caccatgccc ggcttatttt ttgtattttt agcagagacg gggtttcacc 180
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 ccaaggttnt agaagccngg tnttgatagc tagggccctg gccttaaggc ccnaggtcta 540
 natagncaag gaaaaatn 558

<210> 7209

<211> 154

<212> DNA

<213> Homo sapiens

<400> 7209

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 gggncaanag antcgcgcga acccnntagc cnna 154

<210> 7210

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7210

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gctcagatta cccctgccat tctgccaggg cagaagggat cagagtctgc cccaactgaa	180
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<210> 7211

<211> 540

<212> DNA

<213> Homo sapiens

<400> 7211

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tactggcatg caccaccatg cctggctgat tttttttttt ttaagtanan aggggggtttc	180
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<210> 7212

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7212

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atgccagct aatttttgta ttttagtag agacgggggtt tcaccatggt ggccaggatg  180
gtctcgatct ctggaccttg tgatccgcct gcctcggcct cccaaagtgc tgggattaca  240
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gtaccaagn tccctcatta tctgaggagg gcancatag aaacttaatt agacttcttc  480
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553

<210> 7213

<211> 532

<212> DNA

<213> Homo sapiens

<400> 7213

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gtttatgata caacaaaggg acttttaggc tgataaagtt atggaacatg agacttcagt  180
cttcttatta aatggccaaa tggaccaagt gtttgcatga aagctaactt ttcctttcat  240
gaaaaggaaa ttaaaccac ttgctcccga atgggatgat tttcaggagt cctgagccat  300

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aattattatc aggaacgcct aacattgctt ctttctgcag tttcatgtgc cttgggtgaag 420
atgtaagctt tctgaagact accttgcac agnctttgng ggctactcca tatatgagaa 480
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<210> 7214

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7214

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caggcacgtg ccaccaggcc cagccaattt ttgcattctt aatagagacg gggtttcacc 180
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ctcttggtgg tagcagggtt gcaactagtg tccaaactaa tgcttggtga tgaggacagt 480
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gcaaagnttg cttttactga ggccng 566

<210> 7215

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7215

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 ctcacatgt tgcccaggct ggttttgaac tcctgggatc aagtgatccg ctcgcctcgc 240
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 cagaaaacca aacactgcat gttctcactt ataagtggga gctgaacgat aagaacacat 420
 ggacacactg tcgggggaac agcacgaact ggggcccctt ngggggtgca aggttgaaag 480
 gaanggagaa catnaggaan aatagcttat ggatgctggg gtaanaccta ggngaccggg 540
 ttanctg 547

<210> 7216

<211> 528

<212> DNA

<213> Homo sapiens

<400> 7216

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 cttgcacgcg cacttcctac acacagaagt ggcctgttat gcagcaataa tcatagttaa 240
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<210> 7217

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7217

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atatgtggac tctaaaaatt atatgttctc tcttttttca ggttttcttt gtggcctaag	180
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taaatatcca ttaatcattt ttgtattcga tttaattaaa gcctctatat cttttattta	300
ctttttcatc tgcttgcttt attgaagtcc aagggtgggt gtgagtttat taagttactt	360
ttctccaacg ttttacacaa ttatatttgc acaaactttg ctctttaatc actgggccac	420
ccaagagtag cacananggt gctctttcaa ggctctcttg ggcagaagga aaatcttcca	480
ccccaataaa tcttgnttcc cgttgngggg gggggagctt atctgccaaa ggggggtggc	540
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<210> 7218

<211> 545

<212> DNA

<213> Homo sapiens

<400> 7218

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ngtgattttg ctaacttggn gatttttagg aatgaatatg tcaagtgata gtaacnctaa	480
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ttttt

545

<210> 7219

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7219

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 ttttccccag acattgcagg ccaaattaga gttaagatga ggaaatcctt tcagtcctca 180
 cagaccagac ttggctttat aaaacataat caagtccac tatacaacct aggtgttagg 240
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 cttatgcatt caaataacag agcacttctn atcaacaatg cttcagccta ccaggattct 480
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 gaanccnccc ctn 553

<210> 7220

<211> 542

<212> DNA

<213> Homo sapiens

<400> 7220

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 tacaggcacc caccaccag cccggctaata gttttgtatt tttagtanag atggggtatc 180
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 ccatcttaaa ctcatagaat attcaaata gaggccttga aaaccacag cacagctggg 360
 gcatgaaaat gggccttgta gacaagctga ttcaactagg ggggaaaaaa gaggaggga 420
~~gaaagcgga atttatatgt gtgaaatnca caactggga tcaagnttan ctgtttgga 480~~
 atntccagc tcattgggag tntttgaant ccagaaaact tgggctttta aagatggggg 540
 ga 542

<210> 7221

<211> 444

<212> DNA

<213> Homo sapiens

<400> 7221

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 gggaccacag gcgcgcacca ccatgtccag ctatTTTTT gnatttttag tanagacgga 180
 gggaaggttt caccngtta gccaggatgg nctcgatctc ctgacctgn ganccgcctg 240
 ccttggcctc ccaaagtgt gggaccacag gngtgagcca ccacgccag cctaaatgtg 300
 actcaatgnt aaattagttt gcatttttag ctgggtgcaa tggcttatgc ctgtaatccc 360
 ancactgtgg gaaggccan gaaagcgga tcacttgagc ccagganttn aanaccaacc 420
 tgggcaacct angggaaact tngc 444

<210> 7222

<211> 549

<212> DNA

<213> Homo sapiens

<400> 7222

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 tcagttcctg attattgcct gcattgtcag actgattttt ttctacaagt agggtttgca 180
 gaaactggat ggtcatgatt aaagcccatg aatggaaagt aacaatgaca taaaaagctt 240
~~tctctgtatt ctttttttaa atgctgagtt ttccccaatt ttagttatat acagttctga 300~~
 agtatcacat acattctgat aaagaacatg taagatctaa ccactatcag tatttaggga 360
 aagaacatca gattactgaa acaagacagc cagtgccttg ttaaagcaga tatgaaagca 420
 atgtctgagc acttagaggc aaacaataga atccagtttc atcatattaa ttaagccaaa 480
 tcctatttat taagagatat taaggggtct canaatcttc aggagggcc anggtaagtt 540
 acctgcca 549

<210> 7223

<211> 536

<212> DNA

<213> Homo sapiens

<400> 7223

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 ngattctcct acctcagcct cccgaatagc tgggcttaca ggcatgcacc accatgcccg 180
 gctcattttt gtatttttag tanagacaga atttcacat gttggccagg ctggtttcaa 240
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 gagccaccac gccagccga cagcacttta ttttgatgaa ttctttggtg tcggataagg 360
 ngtgtacttt gnetaaatct ttccccacat tcaagacatt tgtaaggctt ttccccagtg 420
 ngaattctct ggggnntaat gagggtttgc actctgattg aaacgtttcc cacaaacngg 480
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<210> 7224

<211> 131

<212> DNA

<213> Homo sapiens

<400> 7224

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nnnagantnn c 131

<210> 7225

<211> 552

<212> DNA

<213> Homo sapiens

<400> 7225

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acaacctccg cctcccaggt tcaagtgatt ctctgcctc agcctcccga gtagctggaa 120
ttacaggcat gtgccgccac gtccggctaa cttttgtatt ttagtagag atggggtttc 180
tccatgttgg tcaggctggt catgaactct tgacctcagg tgaaccgcct gccttggcct 240
cccaaagtgc tgggattaca ggcgggagcc actgcgcctg gccagttacc tacttcttag 300
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aactggggnn cn 552

<210> 7226

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7226

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acaggeacet	gccaccacag	ccggctaatt	tttctatitt	ttgtagagat	ggagtttcac	180
catgttgccc	aggggtggcct	cgaactcctg	acctcaagg	atccgcccac	ctcagtttct	240
caaagtgctg	ggattacaag	tgtaagccac	tgctccacat	ttaactccaa	tgatgctgag	300
cacaaccag	cactctaatt	acaaaaattt	gttttgttat	aactgaacat	tccctttcta	360
ttttagactt	tcttggtgta	acatctctct	ccccagccc	tattcatttt	catcaccatc	420
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aattcangga	aatgngaatt	tggaatccct	atactcaggc	tgnggcaatc	aancganttc	540
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<210> 7227

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7227

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ttataggcat	gtgccaccac	acccagctaa	ttttgtatit	ttagtagaga	tggggtttct	180
ccatgtcggt	caggctggtc	tttaactccc	aacctcagg	gatccgccc	cttcggcctc	240
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tgaatcctac	attacagtac	taccttaaga	gcggcgtgga	gggcatcgtc	tcagctcaac	360
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tccaatggca	cctgcaaacc	tgagtggcct	ngcctggggg	gaatttgctg	aactgaagg	480
gggaatggct	anaataactg	ntttactgat	gggactccgg	cttcctttan	gggacatccc	540
caactgaatt	tgg					553

<210> 7228

<211> 570

<212> DNA

<213> Homo sapiens

<400> 7228

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ggaaaatctt ctagaaggta gagttcatga aatttccaaa tatctcaatg ttacaaaaac 180
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taaaaatncc aaaaattaac tgggcatggg ggtgcaccct ggaatcttng gcccctggga 540
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<210> 7229

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7229

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gaattgtttg gcttgatata gattctttta actttacttg tattgattct tttaatatag 240
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tatcttcaag acttaaatgt ttgttattat atccgctctt cttaaatgca ctacttatta 420
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<210> 7230

<211> 573

<212> DNA

<213> Homo sapiens

<400> 7230

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 caccatgttg gtcagactag tctcaaactc ctgacttcag gtgatccacc cgccctggcc 240
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 ttttcnttg gaactgggct tatttcactt aacataangg tcttaanggt catctatgnt 540
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<210> 7231

<211> 573

<212> DNA

<213> Homo sapiens

<400> 7231

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<210> 7232

<211> 575

<212> DNA

<213> Homo sapiens

<400> 7232

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<210> 7233

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7233

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tagctgggat tacaggigcc caccaccacg ctaggcaaat tttgtathtt tagtagagat  180
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<211> 560

<212> DNA

<213> Homo sapiens

<400> 7234

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ttggttttta aaaaatatca 560

<210> 7235

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7235

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ggaaacctaa aagctctact ggggcctg 568

<210> 7236

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7236

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<210> 7237

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7237

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<210> 7238

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7238

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ccaggatttc actgggntca attttcaggg gtttancct ttgnttaagc cccaggaag	540
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<210> 7239

<211> 543

<212> DNA

<213> Homo sapiens

<400> 7239

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tacccttgca ttctgtaat aaatcttgct ttgtcatact gtataatact tttaatattc	180
tgttacattg agtttgccat tattttattg agaatttttt acatttacag tcatatggaa	240
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tggaatgcaa tggcccaatc tcagctcact gnacctcggc ttccggatca agcaatctcc	480
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<210> 7240

<211> 581

<212> DNA

<213> Homo sapiens

<400> 7240

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tacaggcatg tgctaccaca cctggctaata ttttgtattg ttagtagaga tgggggtttca  180
ccatgttgct caggctggct tcgaactcct ggccctcagg gacccgccca ccttagcctc  240
ccaaagtgtt gggattacag gcatgagcca ccacgcctgg cctttgtttc gttttttgtt  300
tgtttgtttg tttttgagac acagtttcac tctgtcacc aggctggagt gtagtggtgc  360
aatctcaagc ttaatgcaaa ctccacctnc tgggttcaag tgattcttgn gcctcancct  420
nttcgaagta gctgagatta caggaagtgg taccaccatg cccggnttaa ttttttggan  480
tattaagtaa gaagacnggg ctttcacca tggtttggcc ggggttgggc ttnaaacttc  540
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<210> 7241

<211> 570

<212> DNA

<213> Homo sapiens

<400> 7241

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attataagca tgcaccacca caccggctaa tattttgtat tttcagtaga gacagggttt  180
ctccatgttg gtcaggctgg tctcgaactc ctgacctcag gtgatccgcc ccgcctcagc  240
ctcccgaagt gctcggatta caggcgtgag ccaccacgcc cggccaaggt ttccattttc  300

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tgtgctactc caaaatcctc tcccttgcac gtcattggaat gcagccagcc taacttccta 360
aactcaaaaa catccattg aaattcctgg tactcaaggc tctgctccc acggtaggac 420
aagcttcagg ctcccccaag tgcantgtgg gccaggagct cgaactattc ctgngttggc 480
ctgggtcaag ctggtgaagt ctgattcttt ctgctagaa gcaggaaaaa ggggggcaag 540
tttgaaatgg nactatgggt nctggaagcc 570

<210> 7242

<211> 433

<212> DNA

<213> Homo sapiens

<400> 7242

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caacctccac ctcccagggt caagcgattc tcgtgcctca gcctccctag aagctgtgat 120
cacaggcgcc cgccaccaca cctggctttt ttttttttt gagacagagt ctcattctgt 180
cgcccaggct ggggtgcagt ggcgcgatct cggctcactg ccagctctgc ctcccgggtt 240
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ttttgnagtt ttagtagana tggggcctca ccatgttagc ctagttttgn atttttttt 360
agtaaaaaat ggagtttcac catgttgcc anactggctt gaactcctga cctnaagnga 420
tctgnccgnc tna 433

<210> 7243

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7243

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cactgctcca cattgaagat gctgaaatgg gtggtcaggc ccttagtctt ccttctagtc 120

tgtaaacc	acactcctt	aacagaacca	tgcttgctgc	ccttaccctg	tccacatccc	180
tgaaggaaa	cgggtctctc	tcagccagat	gcagatagtt	gacactcact	gcctttgcta	240
tggcaggggg	ctccttatga	ttaaccaga	acaggaaaaa	cttagtgtca	gctgaccgaa	300
aggaactcag	ccttaatttt	tcaaaaagtc	actctcattc	cagctatctc	caggaaggcg	360
ctggagtatc	ttcagcatga	gcacagagat	tcccactgcc	gaaatattcg	gaatactttc	420
cttgatttct	cagagagact	catggagtcc	gtttcancctg	gctggctaga	ctggttgtgc	480
cccaaganga	tggtaaacac	tggttttcaa	cctggctctg	ctggggccct	ggcatctggg	540
tcanttcccc	attctcc					557

<210> 7244

<211> 555

<212> DNA

<213> Homo sapiens

<400> 7244

ggagatggag	tttcgctctt	gttggcaggc	tggagtgcta	tggtagatc	ctggctcact	60
gcaacctccg	tctcctaggt	tcaagcgatt	ctcctgcctg	aggcttcccg	agtagctggg	120
attacaggca	tgcgccgcca	cgcctggcta	atittgtatt	tttagtagag	acagggtttc	180
tccatgttgg	tcaggctggt	ctcgaactcc	cgacctcagg	tatctgccag	cctcggcctc	240
ccaaagtgt	gggattacag	gtgtgagcta	ccatgcctgg	cccaaagacc	tcttctttag	300
tttcattctt	atttaaaata	atatgacgac	gagcaagaat	cctgtttcca	gcttaacagg	360
cattaggaga	gaaaaaagat	naactaaaca	ggactggagg	ctgactaact	ggggggtagg	420
caggaaggag	aatttcaact	gtcagaataa	gaagggaata	gctngaaggc	agacaaccgg	480
accacctgga	aatgacccaa	tgctnttanc	cagggaactta	acttccatca	tggattttaa	540
agccccccaga	aatac					555

<210> 7245

<211> 501

<212> DNA

<213> Homo sapiens

<400> 7245

aaaaa caaa aatggattgc caacctcccc taccatagag tgtctaactc agaagcatga	60
actggcgtgg catatgcctg ttgcctatgt atagtttctc agtataaagc ttttctgaat	120
tgtcagattc tgtggacatt tggaggctag gaggtaagat tccaaaacca gcatgtcaac	180
caaagccaat aataaggcct ctcaaatacc taccacatat ctgaagagaa acttttaaca	240
gttttcacta tatattttaa acaaaaagtc agaagagtaa aaaagtccca ttttaaactg	300
tatatatacc atcttaattc ttgtgttgga ctatagtaaa taacaaaatc angncagggtg	360
cagtggctca cgcctgtaat cccagcactt tgggaggccg aggcggcaga tcacgaggtc	420
aggagatcaa gaccatnctg gcgaacacng gggaaacccc gtccctacta aaaatncnna	480
agattggccc ggnggtggng g	501

<210> 7246

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7246

atgaagaaaa gaggtttaat taactcacag ttctgcaggc tgtacaggaa gcatggctgc	60
gaggcctcaa gaaacttaca gtcatggcag aagggcgaag ggaaagcaag caccttcttc	120
acatggcaga gggagagagc aagcaaaggg ggaagtgcta cacacttaac cagatctcat	180
gagaactcac tgtcatgaga acagcaaggg ggaaatctgc ccccatgac caatcacctc	240
ccaccaggct ctacctcaa gactcaggat cacaattcaa catgagattt ggggtggggg	300
acacagccaa accatatacat tccaccctgg cccctccaa atctcatgtc ctcacatttc	360
aaaacacaat catgccttcc caatagcccc ctaaagtctt aactcattcc agcattaact	420
caaatgtcca agtcaagtct catctgagac cagccaagtc ccttccttct gtgagcctgt	480
aaaatcaaaa accagtcagn tatttncaag atccaatggg ggatcnngca ttgggtaaat	540
gtccccattc caaataggag aan	563

<210> 7247

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7247

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gacagagttt cgctctttgt tgcccaggct ggcgtgcagt ggcacaatct cagctcactg   60
caacttccgc ctctgggtt caagcaattc tcctgtctca gcatcccgag tagctgggat  120
tacaaacacc caccatcacg cctggctaata ttttgtattt ttagtagaga cgggggtttca  180
ccatgttggc caggctggc tcgaactcct gacctcgtga tccgcctgcc ccggcctccc  240
aaagtgtgg gattacaagc gtgagccacc acaccagca ataataggta acttctaaga  300
cccatagcca gtaagacgcc cagctaggat gtgaactcca gtcctgtctg agaacacctc  360
tcccactccc ctggattgcc ttgatgcctt gagtcaggac ctcaggagtg cagcctctg  420
gaaagtcctt agcacaggca agctgtgccc cgaagtggat gcagtcattc tgggaatacc  480
gggaaaagtg ggaatgcaag ggaacatnca catttaangg gtangtggan aaacgggaag  540
gaacccgaac cagcccggaa ggtagg                                     566
    
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<210> 7248

<211> 545

<212> DNA

<213> Homo sapiens

<400> 7248

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gananagggt ctcactccct gngcccaggc tggagtgcag nggcatgatc ttggctcact   60
gcagcctcaa cctcccgaag ctcaggngat tctcctacct cagcctcctg agtagctggg  120
aatacaggcg tgtgccgtca tcctgggnga ttttgtattt tttgtanan acggggtttc  180
accatgttgc ccaggctggc ctggaactcc tgggctcaag ngattcaccc gcctcagcct  240
tctgaagtgc tggcattaca ggcatgagcc atggngccag ccccaaattt tctcttctta  300
    
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ttaggacact attcanattg tattagggct catgccaatg gcttcattta ctctaaatta 360
 cctctttaaa gcccttatct cctaataat ccacattctg cagtactgga gggtagggct 420
 tcaacataca catttttggga gaacacaatt taccataa caaccagnca atnccagta 480

 accaaaaaa anncttgaa ttgagggaa actcaaagng gttgggaaga aactnttggg 540
 ggcnc 545

<210> 7249

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7249

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 ctacaggcgc ccaccacat gcctggctaa tttttgtat ttttagcagt gacggggctt 180
 cccgtgtta gccaggatgg tctgatctc ctgacctgt gatctgccg cctcgccctc 240
 ccaaagtgt gggattacag gcataagcca ctgcgcccg cctagttttt aatttttaa 300
 gctataattc acataacat aatattcact ctttaaagt acacaatcca gtgttttttg 360
 ctatattcac aaaattgtac aatcatcacc attatctaag ttctggaata tttcatcac 420
 tccaaaaaga aatccatac ccattagctg ncacttccta ttatcttcc cttaaattc 480
 tnggaaccnc tnatctatat tggggttaaa ganctggctt aactggaant ttacatgaat 540
 gggataatcc agaagnggtt t 561

<210> 7250

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7250

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 catcactcaa gagtctacat gatttggccc caagatactt ttcaaagttc atttctcagt 180
~~tcataatage ccccatcaaa ttactcatgt tattgtactc tgtttccacc ccttccattt 240~~
 tttttcttat gtttatgcct ttctttttgg ttctgtctcc tgccttgatc tacacccatc 300
 tgattttcta aactgtatga agtgtctagt agagtgcctg ggacatagca attgctctat 360
 acgtggcaga tgttattatc tgaggttcct aagtggatca acccaaggta tgttctttat 420
 ttnnntattn ntttattttt tgggatggaa tctcattcca ttgccagct ggantgcant 480
 gtgcaatggt gaaatcttag ttactggaac ctcggctcct ggggtcaagg gatnctggga 540
 ctacagggcc cccacntgc 560

<210> 7251

<211> 487

<212> DNA

<213> Homo sapiens

<400> 7251

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 caaccttgac ctctcaggct caagtgatcc tcccacctca gcctcccaag tagctgggac 120
 tacaggcaca caccaacaca cctggctaatt ttttaaattt tttttagtag acagggtctc 180
 actatattgc cttaaactgat cttgatctcc tggactcaag cgatcctccc accttggcct 240
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 gagatgggat ctccctttgt ttgttgccc agctgggtctc aaactcctgg gctcaagcga 360
 tcctcctgcg tcagccttcc aaagtgagat tacnggtaga aaccncttaa aaacaatttt 420
 ttatcttcag cttttaangg gnacatatgc nggatgtgca aggttgggtac atangnaaaa 480
 ggtgtgg 487

<210> 7252

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7252

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gagacagggt ctctctctgt tgcccagact gaagtacacc ggcatgatca tagctcactg   60
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tacaggtgtg agtcattgta cctggccagt caaccattgc ttaaagcgaa atatttctct  180
acattgctca tatatagttc acaaatttaa agcaatactt tcaaagttaa actaatgcaa  240
aatatgaaaa aaatgttttc attagtgaga tgcataagaa gataccactt tataccatt  300
aggatgacta ttattaaaaa agacagtgtt ggcaaggaca tgaagaaaat ggaaccctta  360
cacattgatg gtggaaacaa aaatagtata gctactgttg aagacagtca ggcggtcctc  420
aaaatattaa acacagaatt attttatgac ccagcaattc ccttctaaga tccccaaag  480
aactggaagc ggaaatgcaa catatctggc attaggttca tagcagtatc ccatagnenc  540
aaggngtaac tcaaac                                     556
    
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<210> 7253

<211> 495

<212> DNA

<213> Homo sapiens

<400> 7253

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gagacagagt ctcactntgt caccaggt ggagtacagg ggcatgatct cggctcattg   60
caacctntgc ctcccgggtt caagngattc tctgcctca gcctcccag tagnggggat  120
tacaggcgcc caccaccag tccggctgat gtttgtatTT ttagtanaga cggagtttcg  180
ccatgtcggc ggggctgata ttgaactcct gacctcaggt caggatccac ccgcctcggc  240
ttcccaaagn gctgggatta caagcgtgag cactgcgcc tggcccaaac atcttttatt  300
ttgaaaaggt aaaattggaa aaaagttgct tgggtgggacc gcccgcgag cgaagggcna  360
acccgcgctg gccctgcgt ctggggccnc natgctgacc cccggggttc aacctnaacc  420
aggancccg atttctgaca ttggcatccg nnggcctatg ccccggttc gagttcaacg  480
    
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gntaacttna ggggn

495

<210> 7254

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7254

agacggagtc ttgctctgtt gccaggctgg agtgcaagtg gcgtgatctc agctcactgc 60
 aacctctgtc tcccagggtc aagtgattcc cctgcctcag cctcccgagt agctgggact 120
 acaggcacgt gccagcacgc ccagctaatt ttttgtatit tagtagagac ggggtttcac 180
 catgttgccc aggatgggtc agatctcctg acctcctgat ccaccacct cggcctccca 240
 aagtgcctagg attacaggtg tgagccactg tgctgggccc caaatttctc ttttgtggga 300
 gaagccactt tagaagtata tatctacata ccttgnctaa gtcaatgtgt tgctataaag 360
 gaatacctga ggctgggtaa tctatacaga aaagaagggt tatttggtc tcgggtctgc 420
 aacctgcacg ggaccatggc actgacattt gcttgggggt tggaaaaggc ctcataaagc 480
 tttcattct ggnggaaggg aaaaagggtt aaggganccg gcgttncaaa aatcccttgg 540
 naaaagccna accngaaaaa acct 564

<210> 7255

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7255

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 aggtgtaaaa gaaaggcaag aaaatctaatt tggctgtatt tgggataaaa ttatagtgtt 180
 atattttctg gacaagaaga tggaacagtg gcaaagagat gctttaagaa tccacagtac 240

tggcccatct agccgtatgg atgccaacag cacattcttc actgggcctg ctattttaatt 300
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 tatattgtaa accacagcac atccagaaaa gtcgctctac caaatcctct ttcaacctca 420
 actcttgngg ccataatatg gtcagtgtaa cctcangccc tgggctccct aangggccta 480
 ggtggaactc ancgaggaggc ttttaccact atgcaacnta aggacagatc acattccctg 540
 agcctcagtt ncntgnaaaa an 562

<210> 7256

<211> 520

<212> DNA

<213> Homo sapiens

<400> 7256

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 gcagactgcc tgatcacagt taaaagcttt ctgtaatgcg cagcaggaac gtcatagcct 120
 ggtggtcaga aatgagtgtc tctggcgctg ctggactgtg gcccgcagcc tgagcacccc 180
 ttcttctcct cctctgctc atattgtctt tgtgctgcca tccagtcagc agcggacagc 240
 cagcccaatg ctgctcaggt ctgtggcatc cagagataaa aggcgtctcc gctccccgca 300
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 tgaatggtcc acagagaagg cgtggggcaa ggcctcaagt gctgatgctc tgagaataaa 420
 aattaaaagg cagctcttgc ctgaagcgtt accccacang gctcaatnct tggctgngnc 480
 ctctggggnc caaggtgggc acatggttcg gggnaataat 520

<210> 7257

<211> 573

<212> DNA

<213> Homo sapiens

<400> 7257

aacgatacca cttcccagat ttcaacaagt gtgacaaggc atttaaataa aatcttttgt 60
 ggggcaggga ttaaggacca cagctgcacc acagtcctgg gctgactcat ggccagtcac 120
 cacgtctctg cagccttttc acagaagtac aaaagtgtt tctttgtgga gacaggactt 180
 aatttgatgc atttcaaccc tgtctaaatt cccctcttta tgggccagac agatatactg 240
 tcaaacaaat tccaagtaag ccaaacagag gctgagagaa tttgtcagtg gagaaaggca 300
 agtttcactt attcttgata gactgagttc cagatgggca gcagtgcctc agtaggtaga 360
 gtgcccagca aaggggcaga cctgcaccc cactaagcac tttctgggga cctggcagct 420
 tgttcttaac ctggaaaata agtccatgaa gtcggcatta ttatcctcac tttaccaagg 480
 aggaaagcca ggggtcanag gagatntcca ctgncaatg gncacttagc cnggaatgga 540
 cccaactgct tcatactntt ccattgatttt acn 573

<210> 7258

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7258

gttggtgttg ttttttttga gacagagtct tgctctgtcg tctaggctag agtgcagtgg 60
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 ctcccagta gctgggttta caggtgctcg ccaccacgcc cggctaattt ttgtttcttt 180
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 ccttggcctc ccaaagtggg gagattacag gcgtgagcca ctgcacctgg ctttttattt 300
 ttttaacttt gtatacggtg ttttcttttt ctgtatagaa gtcaaactat tttccttcat 360
 ggattctggg ttttgtctct tcattccaag accatttaaa aaaatgtgtt cacattttcc 420
 tctgatactt ttaaggnggc tttctgaaga taaaacctga tgtgtctgca atgctagant 480
 gangcttgag tatggcaagc ttntgangt gcacctgtga actgaggaca acatggcntn 540
 tnaaggaagg acaatcc 557

<210> 7259

<211> 493

<212> DNA

<213> Homo sapiens

<400> 7259

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gagatggcgt ttcgccatgt tgcccaggct ggtcttgaac tctgggactc aaacgatctg   60
ctcgccttgg tctcccaaag tcccagctaa tttttttttt tttttttttt tttttttgag  120
acggagtctc gctctattgc caggctggag tgtagtggcg ccattctcggc tcaactgcaac  180
ctctgccttg tggattcaag caattctcct ccctcagcct cccgagtagc tgggactaca  240
ggtgtgcgcc accacgccc a gctaattttt gtacttttag tagagacggg gtttcagcat  300
gttggccagg atggtctaga tctcttgacc ttgtgatcca cccgcctngg cctcccaaag  360
tgctgggatt acaggtgtga gccaccacgc ccggcccagc taattttttt aaaaaaagct  420
ttagagatg ggatcttgct atgttgccca ggccagtcct gaactcctgg cctnaagnna  480
ncctnccgct nna

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<210> 7260

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7260

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gagacagagc ctcactctgt tgctcaggct ggagtgcagt ggcacaaact cagctcatga   60
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ttcaggcatg cgccactcct ggctgacttt ttctattttt agtagagaca gagttttgcc  180
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aaagtgctgg gattacagac aggcgggagc cacagtgcct ggccttgcat taatttttaa  300
aatgagaaat aatacagtct tgctttcatt taaaactttt tccaagaaac catgagcaaa  360
cctgtgttta ccatatatac tgnactgaat atttggacat caccatttca atgtaaagtc  420
agatgctaata aattaacaca gactgaccaa cactctgaaa tgacttggtta ttttctaaaa  480

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taccattagg tacagacctg aggaatgctt gggtcacttt cattaacact gncaggagaa 540
ttcaggcntg agtngatcct tctaaaa 567

<210> 7261

<211> 570

<212> DNA

<213> Homo sapiens

<400> 7261

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gaggttcctc ccccaccatg ggacctaaagc tattggaaac aggagcacca acagggcacc 180
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cctcccctca ctggctacat ggagacaggg aggtgggtca ggctgttccc aggtcagaaa 360
aataaccggc agtcaacctc agggctcata cccgagcttc tgctcaatcc cctcggggac 420
agttacagga ctcagagaga aacgtgaatt tcagaaaaac aaatcatttt tcacataagt 480
gttccaaata ttgcgtgggg catattaatg ctngaaaant atctttggtt anctgaaatt 540
tgcgtttaac tnancacttt tggtttggtt 570

<210> 7262

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7262

ctgtattttt agtagagacg gggtttcgcc atgttggtca ggctggtctc gaactcccaa 60
cctcgtgatc cgcctgccta ggactcccaa agtgctggga ttacaggcgt gagccactgt 120
gcccggccat tatttcattt ctttactgga tatctttgct tgctaaagtc tctgaatctg 180

aggtctgctc tttctgacaa acaagggtga gaggtgttaa aaataggcta ttatcaaaga 240
 ctttctcttg acttaccaga ggcatgaaa tggatgaag aaggacatt actttcacta 300
 catgactcaa tgctacttaa tctaccactc atggtaggaa aatgcttatt gggataactc 360

 tggettaaat aatgttcaag gttgggcttg cttctcatt aaaactgcat aattggagac 420
 catggtttga gtcantgctc tctaaccctt cccgtanaga catgctttcg gttcctgggg 480
 tttctcaatt tactctaaga accatgttac catcattact ccttnaaaaa tattattggc 540
 catcgctatt tgccaggctt ggg 563

<210> 7263

<211> 554

<212> DNA

<213> Homo sapiens

<400> 7263

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 gactacaaat gtgcaccacc atacctggct aatttcttgt agagaacagg aggctgactt 180
 caaactcatg ggcttaagtg atcctcttgc cttggcctcc caaagtgtg ggattacaag 240
 catgagccac tgtgcctgga ctattatgaa attcttgaag taaattcttc aattccagaa 300
 gttcagttga tttcttcttt aaaatagcta ttttgncttt tagctcttgg gctgttttac 360
 ggaattcctt gaataccttg gattgggttt caactttttc ctggatcttg atgagctttg 420
 ttgtaccca gattctgaat tctctgctgt ccagtagtca ttacaatctg gttaaaaact 480
 actgctgatg ggtaaagggg ttggttcggc ataaaaagac ctttggcntt tggaatgnca 540
 cggttnttgg cctg 554

<210> 7264

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7264

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aagtctttta ggtgggggtgt ttaggttggt tacattcaag gttaatattg agacatgagg	180
ctttattcct aacatgggtgt cattagctgg ttgctctgta gtttgattg ttagttgct	240
ttacagggtc tgtgggctat gtgcttatgt gtatttttgt ggtagcagg gtcaccattc	300
tttcatttcc atgttttagaa ctctcaagac tctctttagt ggccagtctg gtgataacaa	360
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gtttggcagg atatggaatt cttggttagg atttttcttt tttattnttt tcttaaagag	480
actgggtctc actatgggtt tttgggtttt ggnttttttg tttgagacna anncttgctg	540
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<210> 7265

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7265

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tacaggcaca caccgccag cctagccaat ttttgtattt ttagtagaga tgaggtttca	180
ccatgttggt caagctggtc tcaaactcct gacctcagg gagtcactg ccttggcctc	240
ccacagtgtc gcgattacag gcgtgagcca ctgcggcccg cctattttct ttttctatat	300
gagaaagggt gaaggtcagg tacgtggcca aggtcacata taaagcaaaa ggcagggctg	360
ggttcctacg ctactggttc aagttggctt cttccatctc ttcacaaaac tgagatgatg	420
gtaaccttgg attaactgga gctgaaatat gtgctagaat ttccctttag acctncnaag	480
cccagtgaaa attttatagg gctctagaaa aaggggcttt cttctaatat ttangnatga	540
cccaaaatna atcatggtat cntt	564

<210> 7266

<211> 545

<212> DNA

<213> Homo sapiens

<400> 7266

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gagacagagt ctcaccatat tgcccaggct tgagtgtagt ggtgccatct cggctcactg   60
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gggattacag gcatgtaaca ccatgcccag ctaatTTTTg tatttttagt agagacaggg  180
tttcacatg ttggccaggc tgctctcaaa ctctgagct caagtaatct gccgcctcg   240
gcctcccaaa gngctgagat tacaggngtg aaccaccaca cccggcccaa gagtttttat  300
agagcttaat ccccatcccc tattccctgc cgccctgacc cccacctngc caaaggtctg  360
tggaactgagc tgaatgggtct aacctctac ttacttgatt tttcttgag acaggcccaa  420
ccttangcta tctangggca catgctgcac ctcattagct taaactcang gtntgatcaa  480
aaaggggctt attttgacta acaaaaagng cttcggcact tcnggaaaat ntaangnttt  540
ttggg                                           545
    
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<210> 7267

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7267

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cctgtcacca cacctggtta atttttgtat ttttagtaga gatagggttt tgccatgttg  180
gccaggctgg tctcaaactc ctgacctcaa atgattgccc accttggcct cctaaagtgc  240
tgggattata ggcgtgagcc actgggccca gccagaaatt catccttttg tcacctgctc  300
    
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tgagtaaacc acactatgga aagctttctc ttcactggct aaatcagtaa actgtgtcca 360
 cttctaaaag ccattccagag agaaagatgc tgattgcttt ggaagcatta aaggtaag 420
 ttcagcaact taacacttaa caggagccaa gagaaataag gaaaaacatc acttccaaaa 480

 caagttggca cacaccaagc ataaccngaa ctnttttaaat taagataatc ccaatggnaa 540
 gantnccnaa actggcnttt ggaa 564

<210> 7268

<211> 565

<212> DNA

<213> Homo sapiens

<400> 7268

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 ttttttgggt ccaatcattc acccttccct gtatctaagc ctttatcatg taactttttc 180
 attccttccc aaagaggcaa gtacagttgc tcaactccca actgatctct ggcttagcta 240
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 tcttacctgg agtgaangag ccaagctagc tagacttgca gactgaagca caactgcact 480
 gntgagccca attgaaangc tggttcctaa nccatgnaca agcacttta caacctatgg 540
 ttccggtggg tattaattgg aattt 564

<210> 7269

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7269

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 aactacaggc atgagacaca gcatctacag gcatgagaca cagcatcttc ctgtcttttt 180

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 cttactgcaa cctcctcccg ggttcaaggg agtctcctgc ctgagcctcc caagtagctg 360
 ggattacagg cacctgccac cgnaccagc taattttttt gnatttttag cagaaacgcg 420
 gtttactat gttggccagg ctggtcaaa ctctgacct catgatctgc ccgccttggg 480
 ctccaaagt gctggggata caggcgtgag ccaccgggct tgggcnggtt ggttggtttt 540
 ttganacagg gcttnttggg caccagc 568

<210> 7270

<211> 272

<212> DNA

<213> Homo sapiens

<400> 7270

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 acatgccacc atgccctgct tttttttttt tttttttttt tttggtattt ttagtanana 180
 tgggggttca ccatgttggc caggctgac tcnaactcct ggcccaagn gatccaccg 240
 cctcggcctc ccaaagngct ganattacag ng 272

<210> 7271

<211> 544

<212> DNA

<213> Homo sapiens

<400> 7271

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atgcaaagaa naggagggat atgggaatcc ctttgnccct aatttttctg taaacataaa 180

actgctntta caaataaagc ctattaatta aaacaacaaa atacaaaaca acaactaaaa 240
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tcctgcccct cagctcactt aaggaggctt ttntgccaca agntttggtg caaaaagcaa 480
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gccc 544

<210> 7272

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7272

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acctctgcct cctgggttca agtgattctc ctgcctcagc ctcccaggta gctgggatta 120
taggcgtgcg tcaccacacc caactaattt tttttctatt tttagtagag acagggtttc 180
accatgttgg ccaggctggt ctggaactcc tgacctcagg tgatccgccc gcctcggcct 240
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aaccaaggcc tggctcacgt ctgccttgct catgctctcc ccttcagcga gtgcggctta 360
ctaatgagtg aatctgattc ctgccccaca acccaccagg agcagacaca gacgcagggtg 420
cacgccggca ggatgtgggt cgccgatgtg gatctagcag cccgncaaac ccgtcangct 480
tccaattgcc tncanggatc ttaaggccgg ngcttnacca cctggggaggc ctccctgncct 540
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<210> 7273

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7273

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tacaggcgcg taccaccaca cccagctaatt ttttctatct ttagtagaga caggtttcat   180
catgttggtc aggctgggtct caaactcctg accatgtgat ctgcctgcct cggcctccca   240
aagagctggg attacaggcg tgagccacca ctctcagcag gaggtttcta ttaaaaacaa   300
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gctataaaga actacctgag actgagcaat ttatgaagaa aaaaggttta attgactcac   420
agttctgcat ggctggggaa gccttaggaa acttactatt atcattatct tttgagaaaa   480
gcttactctg gtacacangc ttgaagtgca ntggccaatc ttggctcact gnaacctcca   540
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<210> 7274

<211> 522

<212> DNA

<213> Homo sapiens

<400> 7274

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aacatntgng gctttggagg ccaaaaggaa ggagtctgac ttgctcaaaa ctcaaattctc   180
catgagctgg tcattcccca cgatcacctc attcactcgt ttagctttgg cttcaatcct   240
ntggccactt ccaatcaagc agtccttgat gtctgcaccc ttntcgatca cagcattgtt   300
gcanatgaca ctgccttgga tattgcttcc ttcctccaca gngactgagt tcatganaag   360
gcaattggta atagtcactc tatcttttat gaaacaggat gagccaatga ctgancgctt   420

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aatggatgac tttntcaatc tgggctntgg nccaatgagg ctgcaactcc aaccaggggt 480
tgctgacaat ntgggcttac aaanggctgg ggggtntttn gg 522

<210> 7275

<211> 580

<212> DNA

<213> Homo sapiens

<400> 7275

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gccacagaga agactttgct ccagggactc cccttaccct aggacacctg acctctgact 120
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cgaggctggg gagagaaagc actcccagat gatagatacc ttaagctgct ttgaacctga 480
gaagaagaag gtgcatncca agtcacanga tggtcattaa tggtggnctg cattcttttc 540
acatgtaaat taaaccctg gcatacctng ggtggggggg 580

<210> 7276

<211> 555

<212> DNA

<213> Homo sapiens

<400> 7276

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caaccttcac ctcttaggtt caagcgattc tcctgcctca gcctcctgag cagctgggat 120
tgcaggtgcc cgccaccacg tgcagctaatt ttttatattt ttagtagaga caggatttca 180

ccatgttggc caggctggtc ttgaactcct gaactcaagc aatccacctg cctcagcctc 240
 ccaaaatgct gggattacag gcgtgagcca ctgtgcccg ccttcattctt tattgctcaa 300
 aagcaaagat gccctttata cccgagtgcac tgtgcagaaa ccaaaatgca tctgaaaatc 360
 aaagagcaaa gctgttggct gggcagggag gacggcaggc caaagcccca gccccaggtc 420
 tgggcttcag ccgtcgggtcc aggaggccca gcccaactgt ccanaatgtg acaggacacc 480
 catgtncagg actttcagtc aggacacaaa tccacaatgg cangnccttg acaaggcttn 540
 ggaaanccan cttga 555

<210> 7277

<211> 582

<212> DNA

<213> Homo sapiens

<400> 7277

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 gatggcacat gcccgtagtc ccagctactc gggaggctga gatgggagaa ttgcttgagc 480
 ccagtaggcg gaggttacag tgagcccaga tcatgccatt ccactncagt ctgggcaaca 540
 gaccaagact ttgtcccaaa accaaccaaa caaaaaacc ct 582

<210> 7278

<211> 587

<212> DNA

<213> Homo sapiens

<400> 7278

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tagaaggcct tacataggca gctgggccc gccagctggg ctcttgacct aggacttcat	120
tctggcctgt cccccaaag catagcctcc accttctcac ctttctccag aggagtctcc	180
tccaccccca caggagctgt ggacaggccc tgcagcccta gggaaggagg aagggtcctg	240
caagtagaca ctaaggcaca gcgcggccc ggggtcataa gggctcttct ggcggtggca	300
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gcattcatac tccatatgcc tggccttttt ccatggncag gaaanaggcg caacaacatg	540
gcaccgaaan acttccgncc ggacgtanaa caagatgcat gacncct	587

<210> 7279

<211> 583

<212> DNA

<213> Homo sapiens

<400> 7279

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tttgtaataa ctggagatgt gtataaataa tttgtacatt ttctatatag ttcaataaaa	120
aattgcttta actcccacct ttacaattta ttagttgtat gactttgggc aagttagaaa	180
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ctctaattaa gtactaatcc cagtgtttac taccactgaa tgtaaataa atattggttt	300
tcctcttcca tccttcccca tgcacaatcc ctgttcccca aaatggccaa gatgatacaa	360
attgttgaaa ggcagacaaa ccattgcatg ggtccatacc cagaaaagcc tgttgggatt	420
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aaaattaaaa taaaaacnaa aaccaacaca aggtatgaga agagaattgc ttcaatctaa	540
gagaacctcc anggcngaga atccagaact ctntaaccat cng	583

<210> 7280

<211> 462

<212> DNA

<213> Homo sapiens

<400> 7280

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ccacaggcat tcgccaccat gcccagccaa tttttgtact ctacganaa atggggtttc  180
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gtattatcaa taatTTTTtg gccangccac ggnggctcac acctataatc cccagcact  420
ttgggaaggc aaaggnggca natcacccgn nggncaggag tt                               462
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<210> 7281

<211> 338

<212> DNA

<213> Homo sapiens

<400> 7281

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gtcacatcag gaagccctcg gatgagcatg ctgacccccg gcatcacctg gtcaaactga  240
tgcaggacct ccacgcagtg catcatgaag agcttgnctt tctgcnatag gccgngcagc  300
agcagcaccg ngccccgnan acagngcact gtccgcct                               338
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<210> 7282

<211> 575

<212> DNA

<213> Homo sapiens

<400> 7282

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caagtagctg ggattacagg cacacaccac tgcgcccagg taatTTTTgt atTTTTagta  180
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<210> 7283

<211> 576

<212> DNA

<213> Homo sapiens

<400> 7283

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gagatggagt ctcactttgt cgccaagct ggagcgcaat ggtgcaatct ctgctcactg   60
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acaggagtgt gccacctgcg ccggctaatt tctgtatTTT tagtggagat gtggtttcac  180
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aagtgtgGGg attacaggca tgagtcaccg cgtccggcca ggaacctctt aacttctTTT  300
gtgattttgt ggggaacaat ctgggcaaca gtattgaact aagaaaggTT ttcaaccctg  360

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ggcaggtcac cacacttctt ggtactcagc ccccacccag tgatgctgtt tgaggctgtg 420
cacctgctgg ggaccgtgtg tgggtggagg ggctccagag agtgctagag ttaatgcttt 480
tctggttaga agactatatg cttctcatgg cctcttggag ttcaacangg ccttanaaag 540
catttccaac cacagagacc cctgctggnt ttctga 576

<210> 7284

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7284

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gagcagttag ccacttggtg tctgactaaa agaaggtagc aacatgttcc caatatgaca 360
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tgcctttatc atccaaatit tttttaaag ccctccctit aaaagccatc antttaatgg 480
gntgaaagtt ntaatcnggn cctaaaatit ccctgaacc acagcatgtt aatncctgaa 540
taaaataaga tccctaccta aaa 563

<210> 7285

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7285

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 cacacagcca atctgtggca gggtcagcag cgagctcagg tcagggtgg ctggctggct 240
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 gtcccttgca gtgtcccaag agcatcttcc tgagcatcta atctgatccc tgtaacaatc 360
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<210> 7286

<211> 575

<212> DNA

<213> Homo sapiens

<400> 7286

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 tgtgtccatg tgttctcatt gttcaactcc cacttatgag tgagaacatg ccatgtctgg 240
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 cttggttggtt acctgggggtt ccagttttgc acgctgcaga ggacctgcaa cttacagatt 420
 tatcacttaa ttcattcttt gcattctcct acttttcctc actccaacca tttctgggca 480
 ttcaaagcc cctaaagcca gaattcattt tgnatgggtc ttaacagaag taagaacttc 540
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<210> 7287

<211> 548

<212> DNA

<213> Homo sapiens

<400> 7287

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ttatacccca tctctcacta aataccaaca attcctatta gctttttaaa taagtgggtg  180
gtaaagtctg ctgagaaatg aagcaacttt tcaggctcta gaggacgcca gagcaaagcc  240
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acgtttactg agtgccagac acaatatctg gcacagaaga tacagtgaca agcgcctgca  360
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ttacgtagga caccctccat ctcaagatgc tgctgcttta aggttgggga nggggctctt  480
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<210> 7288

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7288

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tacaggcatg cgccaccacg cccagctaatt ttgtatttt tagtagagaa ggggtttctc  180
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caaagtgctg ggatgacagg cgtgaaccgc tgcaccggg ccaaagggtc acagaagacc  300
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aatgggctta tagaagatcc ctccaggacct caggactgag aaaccatgtg gatggggaaa  420
ctgaggtctg aggccacatt cgcttaccaa tcttgccac ttgatgatcg gggggcctga  480
    
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ggggcttggc cagncccn 558

<210> 7289

<211> 503

<212> DNA

<213> Homo sapiens

<400> 7289

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<210> 7290

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7290

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catatagtaa taggggcaag tgagtacttc taaacacaat atacatatag aataattacc 180
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 caaagtgttg ggattacagg cgtgagccat catacccagc ctacttttta aaagataaag 480
 gncctatagc ttacatcaa agctgaatga ccatncaatt ggatccatct tttaaaagcc 540
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<210> 7291

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7291

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 attattattt ttctttcatg tcagacaggt aatgtgcaa tgcataaaa ggtttggggg 360
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<210> 7292

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7292

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agacatgaac cagcatgcac ggctaactta aaattctttt ctcttagaga tggggctctca	180
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tcgccttaaa tggaaacccc gtccgcatta gcagtcaccc ccgtctcctc caaccacaca	360
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ttttgntttg agacagagtc ttgccctgtc gcctaggctg gagtgcagtg gtgcgatcat	480
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ggggaat	547

<210> 7293

<211> 542

<212> DNA

<213> Homo sapiens

<400> 7293

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ttacaggctt gtgccaccac acccggctaa ttttgtattt ttctggaga gaaggtttct	180
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ccaaagtgtt gggattacag gcgtgagcca atgcacccag ccttacgtct ggttttcatt	300
gagccctagg gtttggctca aacagtgtc ccagtagtct gaggtgcaag gcctgggaaa	360
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aaagcaaact gtgcaggaca aatggaatgg tggangccaa gatgcatttt gcaaaaactg	480
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<210> 7294

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7294

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gccaggaagt tcatganggt cctgcatctg gaaaggccag agttttncag agcttcagan 480
gaaaagtcnt gggtagatgt naaaagggat gcttgggggn cttaacctt gggcaccaan 540
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<210> 7295

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7295

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ttctttttaa aatttgttt tttcttttt gttcttttt tttaatctat tttagttttc 180
tgagaaatct ccatactgct ttccataata gttacaccaa tttacattcc caccaacagt 240
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cgcctattct agctaaggta agatgatatc tcattgtagt tttgatttgc ttttcctta 360

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cacttagcaa tgctgggcac tggtcacata cctgtttgtc atttgtatgt ctttttttga 420
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 gtcaagtggg ttggattcct caaatattct ggggatcagc cttttcttgg atgaatagtt 540
 accaacattt tct 553

<210> 7296

<211> 550

<212> DNA

<213> Homo sapiens

<400> 7296

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 agacaaatct gatctctgcc tcctccacag cgccaccttg ttcagggcag gacttctctt 180
 catcacagca catccaccct tgattcccat ttgngcctcg tgtgcatttg atgaacgaat 240
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 ggaggacctg tggcccctgg ggttggcgaa ccccgggccg ggagtccac tccttggcat 480
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<210> 7297

<211> 451

<212> DNA

<213> Homo sapiens

<400> 7297

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gcgtagcagg cacgtctttg cttttttttt tttttttttt tttganatgg agtctcgctc 180
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gtgcccggcc aattccctgt attcctagta nagacgggggt ttcaccgtgc tagccacgat 360
ggcctcgatc tectgacctc gtgatccgcc cacctnancc ccccaaagtg ctgggaccac 420
aggcntgagc ccccnccccg gcccnngcnt g 451

<210> 7298

<211> 548

<212> DNA

<213> Homo sapiens

<400> 7298

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aacctccgcc acccgggttc aagtgat ttt cctgcctcag cctccggagc agctgggatt 120
acaggcacgc gtcaccacgc ctggctaatt tttgtatttt tcgtagagac ggagtttcac 180
catgttggcc aggctggctc ccaaactctg acctcagatg atccaccac ctgggcctcc 240
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ataatggctt cacaagatga cggctgggct cctgggctgc cttcagtnc tttaaacagg 480
taatacagat cttgctttct tctctctctt tttgagaaan cttgctgnga cagacacccc 540
cccagggg 548

<210> 7299

<211> 545

<212> DNA

<213> Homo sapiens

<400> 7299

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aggagtaatg agagattggg cagagggtaa gggacagcag ggaggcggag gaaaatgaag	180
acaccaggga aagaggagag gcctgaactg gacagctgat gctttgtcct gcccagcacc	240
cattcgtccc ttcttcaggt aatatcatct gccaccacaa ccaccagcac caactctcag	300
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gtcagcaaag gggagctctt tttatcaata actggtgctg tggggccaca ctgtgaagcc	480
caagaataaa gccactcaaa tgaaaccnac tgagagccaa gagacagata ctggttggag	540
gcctg	545

<210> 7300

<211> 555

<212> DNA

<213> Homo sapiens

<400> 7300

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tactccaagt aacagactta agatgttcaa tattggaact ctttggcata aactaaaaaa	180
gaaaccttgg taaaagcaga atttacaac attttgttcc ttgcagtaca cctttcaaaa	240
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atgtgagtat tcaatcaaag aagtgaggct gttctccaga attggttctc tgctacaggt	420
caaaaccgac tgcgccagcc ttggcgaagc tccgcctact gccctttgct ccaagtaatt	480
tttggcgatt tttaaagtaa tttttccggc ggagtcatan tggcgctata ctcttgata	540
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<210> 7301

<211> 538

<212> DNA

<213> Homo sapiens

<400> 7301

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cctcagctga tgacctccag acggccgtca actgtgcctg aagtggacgg tgtcatgcgg  420
tatgaacaga taagtgagaa aagaacccat gtagctctaa acccacacac actatgaaaa  480
aacgacgcat gaaccacaag aagctgcann ctctggagtt aanggagcac gccacagg   538
    
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<210> 7302

<211> 540

<212> DNA

<213> Homo sapiens

<400> 7302

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cgtgcctggc ctccttatga gaatctaata cctgatgata tgtcactgtc tcccatcacc  180
tccagatggg accacctagt tgcaggaaaa caagctcagg gctcccactg attctacatg  240
atggtgagtt atagaattgt ttcattatcc attacaatgc gataataaag tacacaataa  300
gtggaatgtg cttggattat ccccaaacca ttccccccac ccccgacccc ctctatccgt  360
    
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agaaaaattg ccttccacaa aaccagtccg tgggtgtccaa aagggaacca ctgccttggc 420
 accaagtcta aaacaacact cttggcatgt tttcttatcc tgctttttct tcttgggaact 480
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<210> 7303

<211> 543

<212> DNA

<213> Homo sapiens

● <400> 7303

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 tgcacatatt tcagtaaata aacacactga ttcataata tgcagccaag caaatncaaa 480
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<210> 7304

<211> 480

<212> DNA

<213> Homo sapiens

<400> 7304

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 tcactgcaac aacatccacc tccacagttc aagtgactct cctgcctnag cctcccaagt 420
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<210> 7305

<211> 548

<212> DNA

<213> Homo sapiens

<400> 7305

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 aataatctct taattaaaag gctgggtctg gcacagatca actgaatatt gcttaccact 180
 tcctggaata taggttaaatt caggttaaaa ttaacactaa aggcagactt gaaattgtat 240
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<210> 7306

<211> 550

<212> DNA

<213> Homo sapiens

<400> 7306

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catgccgatt gtcataaaac caaattattc ccacctccat tttttctct cctnccgacc	480
atcatgggcc cccaaacttt tgctggcctg taaaaagcac tgggcttnca agtaaggana	540
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<210> 7307

<211> 554

<212> DNA

<213> Homo sapiens

<400> 7307

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accatgttgg ccaggcttgg ctctgaactc tgacctcagg tgattacca cccccccc	240
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gaaccactgg gtttaatttag catctcatgg ggagacagct gtgctatagt gaaatgagta	420
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<210> 7308

<211> 540

<212> DNA

<213> Homo sapiens

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ggaaaatcca nagtaaaaat aanaaacaat aacaggcaca gtcttatcaa gactgtgaaa 480
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<210> 7309

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7309

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ctttatccac attcttcggc cttcactcca tgatcgtcag actcagaaat acctgggcta 480
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 aagtggcctt caatgccttt 560

<210> 7310

<211> 564

<212> DNA

<213> Homo sapiens

● <400> 7310

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 aaagagaaga tctgggctgt gctggtgctg gtttctactc atctttcgga nggtgtgact 480
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 aagattaaaa gggaagggtt ccat 564

<210> 7311

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7311

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acaggtgacc gccaccatac tcagctaact tttttgtatt tttagtagac agcgggtttc 180
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 ttgaacagta gtgtgtacaa taaatatctt ggatatattac gaagctttaa tgactgattc 480
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 ttccaaagta aatagtt 557

<210> 7312

<211> 555

<212> DNA

<213> Homo sapiens

<400> 7312

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 aataagcaca ctgatgtctt cccctcttct ataagtttaa aatgaaacct gaaagcaggg 240
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 tctcaaattc ttctgatgtt cctttactcc taattgaatt gtgaatgttt tattatcaaa 360
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 aacatttget ttaaattctc atacatatcc aaaactgttc tgn cattttc ctgttgacta 480
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<210> 7313

<211> 303

<212> DNA

<213> Homo sapiens

<400> 7313

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ngcctgcctc cagnagagaca tttttaaggg gnggctccat gcatttgaag cttccaaaca	180
cccaacagaa tctcaccagt caccaataac caagatcctn tctgatcctg ngctaganaa	240
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gnt	303

<210> 7314

<211> 554

<212> DNA

<213> Homo sapiens

<400> 7314

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cgcccacctc ggccttccaa agggctggga ttacaggcat gagccaccgc acctggccac	120
tttcagtaat attttcta atctgtttct aacaagtacc atgcatctca gccaaactgt	180
gctactgacc tccaacacac cctgtggttt tgaaactcag agcctttgct tcccagggtt	240
tacttcatct ggagtatcac tacctaata cttccctctc ccttgttga aaacctgccc	300
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tctattttcc ccttaaacta taaactgaaa tgcaaagaca tgtttttggt ggggactcat	480
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<210> 7315

<211> 550

<212> DNA

<213> Homo sapiens

<400> 7315

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gctgggacca caggcacggg ccaccatgcc cggctaagt ttgtattttt agtagagatg 180
gggtttcacc atgttggcca ggatggtctc caagtcctga cctcaaata tccgcctgcc 240
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taaccactcc ggggcccttt ccagctccag tgaatccgac ccctnctgac atcctcttag 480
agttttcccc aacaattttt tttacaattt attatttact cattaatttt agacagggtt 540
ttgctctgtn 550
    
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<210> 7316

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7316

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ggagatttta aaatgagata gataaggag caaaagttag cacattacta ttcaggagaa 180
agggactaca cagagagctc tccagggaaa ttttaaagag gaattacagc ccaagaggga 240
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actactcttc aagatgaaga aaatagtttt gtcagttgtg ccactgataa ttctgcctca 480
    
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ttcatggaaa gggacagagt actctgacat taagaaaccc ttgggacat tggggcaggg 540
ttnaaactac tctgct 556

<210> 7317

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7317

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gtacctcttt tcttgatcca agttctactg taaaacattt ttggcttgaa agaataattc 180
tcaagttttc tatgctaaaa atgactgaca attttttcac atgaccacag aacaaacctt 240
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caggagctgg cccttgagg aaaacccttg ttcctggtat gccggaaaaa cttgccagag 480
gagcagaaga ggaagatggg ggagctgctg atgggtcaatg gatgnaacc tgaaataaaa 540
caggtccaag acatccn 557

<210> 7318

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7318

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gcaacctctg cctcctgggt tcaagcgatt ctgggattac aggcacccac aactacgcc 120
agctaatttt tgtattttta gtagagacgg ggtttcacgg tgttggccag gctgggtctca 180

aactcatgat ctcaagtgat ccacctgcct cagcctccca aagtgccggg actacaggca 240
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 gggctactcag agaggttaag taacttgccc aaggtcacac agaattcaga atttacatcc 360
 agggctgagt cgatagctag aactttcaac cactccattc ttgggggcat ctcaactgtt 420
 ccaggacatt accaacagaa acatttggca gatagggaat taggttttct tccccaccc 480
 cgatcctata ctgggagaaa ataagaacct ttnccccga ctttggttat cagnncngatt 540
 caaccggct ggcgnc 556

<210> 7319

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7319

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 agccaccatg cctggccccct aaattctttt ttgttggttt gtttttgaga cagtctcgct 180
 ctgtcaccca ggctggagta cagtggcaca atctcagctc actgcaactt ccgcctccct 240
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 gccaggcttg tcttcaactc ctgacctcat gatccgactg cctcagcctc ccaaagtgct 420
 gggattacag gtgtgagcca ctgtgcccg gctttttttt tttttttttt ttgagatgga 480
 gtttcactct ttccccagg ctggagtcc agtagtncag tntgggaact caagttnact 540
 gnaaccttgn ttttcaatt 559

<210> 7320

<211> 582

<212> DNA

<213> Homo sapiens

<400> 7320

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aataataaaa gcaataacaa taaaaacaag atcagactct cactggggta ggcaagggac	120
tgaggaggtg aaaccaaccc gtatggtgtc ccagcacggc acctgctaag gagggagggg	180
gggaaagccc aggccttcgt tgcgggtaca ggaggatgca ggagagggct gaggtggggg	240
aggaacaact ggtgtactgg gagagagatt tgggacgagg gggaaccatc agcaaaaaat	300
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tcaatcatta caaaaataat ttttagtagt taaaaaacac acatagggcc aggcattggtg	420
gctcacacct ttaatcccag cactttggga ggcctgggtg ggcagatcac caggtcagga	480
gttcgagacc acctggtcaa catggtgaaa cccccgtctn tactaaaaat tccaaaaaat	540
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<210> 7321

<211> 543

<212> DNA

<213> Homo sapiens

<400> 7321

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ccctntcggc tgatgcgccg tcccatcctg ggctcctagn gtagggctcc tacccttggc	120
tccagcaatg ctgatgatga ggngctgggg tccccgagga caggaggcct ccaggaagga	180
accggcctca gtccacgccg tccagggact gnggctntgc cctntcgagc tgtagcacct	240
gattttctat gcaccgaaac tgccaaggcc agcttgtgtt gtacanaaat ggtcgcagat	300
caaacctgtt gtcctcaggg ctgtagttct cggcgtggta cncgggtgtg agcgtgggtca	360
tcttgtgtct gttcatggag tacttggaga aaaaccgctt cactttgtca gcgacctgtc	420
tcggggtgca aatgtgtctc cacatgccga ggagtttgca aaacatgcct gaagggccca	480
attttgggcc cntttctnag gtttcccata naccganagc tcccaaatgg gaatcccaat	540
ttt	543

<210> 7322

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7322

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cagacagggt ctcactctgt caccagggt agagtccgt ggtgtaatca taattcactg   60
tgccctcaac ctccaggcc caagccatcc tccacctca gcctcctgag tagctggggc  120
tacaggcatg ggccaccatg cccggaaaat ttatttattt tttattttta gtagaaacaa  180
ggtctggcta tgatgccag gctgtcttga actcccgcc tcaaagatc ctgtcacctc  240
ggcctcccaa agtgctggag taccgctaata ttaaaggca gtcattgaaa catatttctt  300
gttctctttt gcatcatgga gttatgactt taaatcataa gtacagtatc cttagaaact  360
gcccagtttt atcagaaata agttctgaat gtattgtcaa ttgtgaaaag acaaaagatc  420
acagttccta atattcagtt ctaatggcat ggttcccaa aatgtaaaag ctgtgactga  480
gacaattatt tcaagagagc ttcagctgta aataaacnca aactggaatt ccttggcctg  540
gcaaacaaga gggccacttt t                                     561

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<210> 7323

<211> 534

<212> DNA

<213> Homo sapiens

<400> 7323

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ggcacagggt cttgctctat taaccaggc tagagtgcag tggcatgac acagtcact   60
gtagccatga ctgccaggc tcaagtatc ctcccactt cagcttccca agtagctggg  120
actacagggt tgcaccanaa tccctggcta aattttttgt tgttgttttt ttagagaca  180
ggatctcgct atattgcca ggctgatctc gagctcctgg ccttaagcaa tcctcccacc  240
ttggccaccc aaagtactgg gattacaggc aggagccaat gcactcagct cagttttttt  300

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ttttttttgg ggggggggnt ccagcggtat attttatttc tttagaacat cggttgcaaa	360
gctgtttana tctttcaaaa acatcaactc ttctttttga cgacaaaatg gtgaataaat	420
taaattcaga actacagttt gtgaagacac atgacattta tgattcatga aatagaaatc	480
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<210> 7324

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7324

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tgaaatcgag atttgaagca gtggttaaaa tataaactca taggggccac tcccttggac	120
agtgtccccc ccagcccaga cagtacaatg gctcagaaat tacacataga aatgacactc	180
ctccctccac cctcgccaag agctctgaac cgcaaggccc cacacaagaa actgaatttc	240
agtttggcac caagcacccc ctcggcccct gcctcctctc cacccttctc ctgcattcta	300
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agacagcacc agaggctgct gcaccagaag cttcggggcg aggcccagca cccactgtgt	420
ggcccagctc tgggggcccct gccttgcctt gcccctcctg gttcaccttc cccacaacag	480
ancggncgac acccactgac ttccccagat tggaagaag accaaaggtc caaggataac	540
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<210> 7325

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7325

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 ccagcacaat agcatttttg ttcaatgcta cttgtaaaa atcttttact tcaactccaaa 420
 tcaatgcagt tttaaataac tggatttgaa catttgtgga aagaacaagg gatgctgaac 480
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 gctntgaaaa gcttcca 557

<210> 7326

<211> 519

<212> DNA

<213> Homo sapiens

<400> 7326

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 cccggcgagg ccgaggccgg ggggctgana agggcctggg tgcctgtcgc ccgggagccg 180
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 cggcccctca acacccaca gtgtggcact ggaagggacc taaaaacca cctggctttc 420
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<210> 7327

<211> 552

<212> DNA

<213> Homo sapiens

<400> 7327

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atacttttaa aagtgatcag agaggcactg tttcatcaat accctgtaat gatttgcgtt	180
tgaatctagg atactcacag atcatggacc atatacacct atttacaac attaaaggca	240
gtctaagttt agactgatat acataaagtg aataattact ttgaaatga tactattgaa	300
gtagacattg atatacttat tagaccttg cctaagagaa aaaaaaaaaac ctcatttaat	360
gaaacaagtc aactgccaaa tctgtatgaa aatttatatt gcattatgga accaaatata	420
atgttacatg taaaacacaa ttaaaatcat tatcacagat aataaaactt accccaacag	480
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<210> 7328

<211> 531

<212> DNA

<213> Homo sapiens

<400> 7328

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gngcagagct actggctana agtgcagtca taaaggagca gtggaaggca ttggtctgaa	180
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gaagaacagg aaggccagtg gactttaagg gcctantaga ccaaaaaggg ccccagggcc	480
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<210> 7329

<211> 543

<212> DNA

<213> Homo sapiens

<400> 7329

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tacaggcgcc caccaccacg cccggccaat tttttgtatt tttagtagag atgggggttcc  180
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ggcatgtgag gtggtcaggt aagcctacca aaaacgacca ctatttaagg agtgaagtta  360
ataaataata acaaacactg taaagcaaaa gaggcttatt atttagagag atataccaaa  420
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<210> 7330

<211> 532

<212> DNA

<213> Homo sapiens

<400> 7330

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attacaggng cccaccacca cgcccggctg atttttgcat ttttagtana gaanaggttt  180
cgccatgttg gccaggctgg tcttgaactc ctgacctcgn gatctgcca cctcagcctc  240
acaaagngct gggattacag acatgaacca ctgcgcctgg cccgtctctc atcttaatgc  300

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ctttaagctn tttacaatcg tttgagggaa aaagttatct tcacacttcc tccagtaata 360
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gaaaggctgg agattncagn gagtgggaac tcganaaggg tagaatttgg agtggctnta 480
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<210> 7331

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7331

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<210> 7332

<211> 538

<212> DNA

<213> Homo sapiens

<400> 7332

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 cccttcaaag agggctggag gctgtcctga agacagagat tctttgggtg ggttttgaan 480
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<210> 7333

<211> 552

<212> DNA

<213> Homo sapiens

<400> 7333

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 catagtgcag acgacacaca gcgcctatgt aagggcctgc tggaggaacg ggaacccgta 480
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<210> 7334

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7334

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tacaggccca cgccagcatg cctggctaata tttatatatt ttagtggaga cggggtttca	180
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tggtaccatg gagtaaaaag aacctctggg ctgcattcga tgagaaactc gaggtgctgg	360
tacagctaac tgaggtaaata tactggtgtc ctgattatca gcagcaacca ttctgggtga	420
tgtcaaagtc aatggagcag gttctgagtt agatgccaaa ngcatttgac ataggactta	480
aatcagacac cctggattgg ctgggncttc tcttgggggt actgggaant tggaatggga	540
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<210> 7335

<211> 542

<212> DNA

<213> Homo sapiens

<400> 7335

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atctggggcca caatctaggg tgagccaccc acagtgccct gctggacagg ggggtatgag	180
gactgcacgg gggggccctc agcaggggtc ttctgccta ggggtggggt ggctccagt	240
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tgaagaagag ccccgggagg gagcaggcag ctctgtgcct ggggcctggc cagacctcaa	420
gggtgctgtg gcctgctcct gttccctca cttctccagc aatgggtctn cttcaatgga	480
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ct

542

<210> 7336

<211> 546

<212> DNA

<213> Homo sapiens

<400> 7336

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 ggtgagccgt tctgcctaag ggaacagccc cgccccctcc ctccggctcc tccccagcac 180
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<210> 7337

<211> 459

<212> DNA

<213> Homo sapiens

<400> 7337

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 ttgaccaagc tggctctgag ctccctgggt caagcgatcc tcccatcttg gcctcccaaa 180
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cctccactg agtaacagag tctgtttctt ccccttgaat ctgagccaaa cttagtgact	300
cagactacag tagaaatgat tctatggtga cttgtgaggc tgggtcataa aggcaatgtg	360
gcctgactca tgggagtcct gagctacagt gtaagagggtg tcaacactnt nagctgccat	420
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<210> 7338

<211> 544

<212> DNA

<213> Homo sapiens

<400> 7338

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cggctgctgg acaagctgtg tcagggagtc actctgcggg ctgtggctcc ccagtgacat	180
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tgctgcgttc ctcaactgaa catagctaaa atgatccgat tccgaagacc tatgagtatg	300
tcgtcgaagg taaatgctgg agtcactgtg actagtcctg gaaggaatgc tgtagtcgct	360
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<210> 7339

<211> 507

<212> DNA

<213> Homo sapiens

<400> 7339

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 tgnactccag nctgggcaac agagcgagac tccatctcaa aaaaaaaaaa nnaagagag 420
 agacagggnt naccatgntg ccccagctga actcaaaact ccgggccaaa naagggtccg 480
 gccccgcttc aagggcngga atacagg 507

<210> 7340

<211> 540

<212> DNA

<213> Homo sapiens

<400> 7340

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 aagtgtggg attacagggg taagccatta cgcccggcca gttttgtttc ttttctcaaa 300
 tattttccat ccgtgggttga ttgaatccac aaagacagag actgcgagct gactgtactg 360
 caaagtgtct ggatcttaag gacacagggc ctctaggcca gccttcaacc cacctggttt 420
 tcagatctgt gtcaccatga ggggagcaga tggtctgagg atgggccccca nccttcacag 480
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<210> 7341

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7341

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tgtgtgtaag cctttccctc cacaccaacc agctctccaa ctccctctca gacaccaacg	180
cgatgtccta caattttaact cgattctgtc accaattgcc cggagctagt gcagaaccca	240
cagggttaagg ggtcagtcctt acaagaccac cccgacttca gatgcccaagt gcagacgggtg	300
ggccccgggg accccacgac ccccttctca ggttccaatt ttttttttg agatgggtct	360
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aggttcaagt gattctcctg ncccaggctt ccaagtagct gagattacag gcgcacgcca	480
acaagcccaa ataaattttt ggatttttag gccanaaagg gggtttggcc tngttggnen	540
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<210> 7342

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7342

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gagtcagggt cttgccctgt tgccgaggct tcagtgcagt ggagcagtca tggctcactg	180
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cagggtgtgag ccaccatgcc tggcgtaaga tatatttaag tcagcagaaa acccaagtga	420
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ccttccttga ggccctttgg ctctggggca ttgnggggca ccaaccctg ggggtggncc	540
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<210> 7343

<211> 550

<212> DNA

<213> Homo sapiens

<400> 7343

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gaaaagataa aagcaaagta atactgcaac aggaaggtgg caaaagcata gttttgccat  180
aataaaatca attagatttg tgattataca tcagttccgg ttaaaatgtc tgagcgccat  240
gcgattttca gctttattgt ctgcagtctg actaaagtct gtatagtcac tttgtctttt  300
gcagttatta aaataaaaaa aagttaaaaa ctatagcagc aacaagcaaa ccctgtgaca  360
ggaaggcaag ggttaagaac taaaaagagt ttatacagtg tgttcaggga aagtgtgcag  420
tttatcttcc atcagcagga gttcgactga gggacaacat gattcgggca aatcgctcac  480
agagttcatg cctggaatat gaaaggtact tcggggctca tnggaacttt taatcttcat  540
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<210> 7344

<211> 536

<212> DNA

<213> Homo sapiens

<400> 7344

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atgggcgcgt gccaccatgc ccagctaatt tttgtatttt cagtagagat ggggtttcac  180
catgttggcc aggctgggtc cgaactcctg acctcgtgat ttgcctgcct cagcctccca  240
aagtgctagg attacaggga tgagccaccg tgcccagctt tttttttttt tttttttttt  300
    
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taatatcaaa cgcttcatga atttgcattgc catccttgca cagggacat gctaattctc 360
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 gcctttgacc ttgctgacag gaaganggga ntgcangtct gggcttccan gggctggtct 480

 gacccggggc caancattct aacttggcat accacaagta gggctttgct ggattc 536

<210> 7345

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7345

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 aaaactggat atccacatgc agacgaatga tacttgatcc ctatctctca ctttacacaa 420
 aaatcaagtc aaaatggatt aaaggcttaa atctaagacc tcaaactgng aagtaccaca 480
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 ccncaa 547

<210> 7346

<211> 515

<212> DNA

<213> Homo sapiens

<400> 7346

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<210> 7347

<211> 576

<212> DNA

<213> Homo sapiens

<400> 7347

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<210> 7348

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7348

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aaacntgcng ggaaaaagnc a	561

<210> 7349

<211> 484

<212> DNA

<213> Homo sapiens

<400> 7349

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gcaggcgtgg ggggaggcga ggcaggatgg ctcggtgggc ggtgcccggg gcggggtcgg	180
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<210> 7350

<211> 490

<212> DNA

<213> Homo sapiens

<400> 7350

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<210> 7351

<211> 571

<212> DNA

<213> Homo sapiens

<400> 7351

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ggtagagagc tagggacctt gccagcctg accctggggc aggcaagcgg cccccagcc 180
cccaccacca ccccaggaga gggcggggtg agaaccggag tcaaattctg ggccgggtcc 240
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cggacttagg ccctggtatg gagaaagggt gaaggagag agaggacctt gcgctcanga 420
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 aggccccgga tccccgtggc caaggccagg cccaagggcc ntnagggccca aggtgcccc 540
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<210> 7352

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7352

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<210> 7353

<211> 573

<212> DNA

<213> Homo sapiens

<400> 7353

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<210> 7354

<211> 417

<212> DNA

<213> Homo sapiens

<400> 7354

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 acaggcgccc gccaccgcgc ccggctaatt tttttttgt atttttagta gagatggggt 180
 ttcaccgtgt tagccaggat ggtctcgatc tcctgacctc gtgatccgcc cgcctcggcc 240
 tccaaaagtg ctgggattac aggcgtgagc cactgtgccc ggccttcaat tttatttaat 300
 aattatgcat gtgtgggatg caatgngata ttttgatacg tgtatacaat nggaatgac 360
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<210> 7355

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7355

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atataaaaaat ggacatcaga ttagagatac aagttcatac gctgaactga attgtacata	180
ccaactgcct ggctatggaa acccgtgact tgacttaggg gtgctgatga catgatctcg	240
acaagaaccc cctagcaact ctgaggtgga ggcagcacag ggatgcgggtt cctgggtgagg	300
agggtcctca ctggtgacc aactgcctg ggctcacagc tggagggctc acccatgagg	360
gacacgggtg gacaccact gcttcacatg cctaattcac attagaaaca tgtaaagcca	420
ttcagtctgt gcaataaaga gatcctgtat gaaatccact cattccttgg aaggnaactg	480
gccngaggca cgctctggtt gacggtgacg cacaagtctt canggnctgg antgnatcat	540
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<210> 7356

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7356

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tgggactaca ggcctacacc accatgcctg gctaattttt aaattttatt ttatttttgt	180
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<210> 7357

<211> 541

<212> DNA

<213> Homo sapiens

<400> 7357

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gcaaatgaac ataaaaaaca caatgtcagc agcattaaag tgcttttggc catacttctt  180
tcagaaaggg tctctccctc agtgggtataa atttaatttt acgtattgaa gaagctcaaa  240
atttcattca ttccccaggg gctacattga aaaaaaattc atgtttacgc taaagaattt  300
tttttttttc aaaaagagca caaaatccat tggaattgtg tgacagtgat tttccctgac  360
atgctgtgaa gtggcccttg tccattcagg cccggcacac gccgggaaca tccaccacac  420
gcatgtccac ctggcaaagt ccatcacttn gnccacaca acaggacaga ctgagggtctt  480
taaatcccag ccggtntgtg acngggcatt anctgggatg nggccccaac aggncccaag  540
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<210> 7358

<211> 433

<212> DNA

<213> Homo sapiens

<400> 7358

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gcgtcttcgg ggcccagctc aagggtgac ggacactttc gtccgtgggg gaccagggc  180
ccgttctcc gcggggcggt ttttctttt ctctgccaca agtgcctcac cttccctca  240
tgggccttct gtccgacttg gggtagccct agtggccaga cgcacaccct gggttcgaaa  300
ctgggacact aggttccccg gggcccagcg caagggtga tgggaagaca ctttcttct  360

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tggggaccca ggctctgctt ntccgcggcg ttttttntg ggtgttntg ntggttngtt 420
tttnggtntt tgg 433

<210> 7359

<211> 548

<212> DNA

<213> Homo sapiens

<400> 7359

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gccatcacgc tcggctaatt tttttatatt tagtagagat ggggtttctc cgtgttggtc 180
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ggttctttta aaaaaaaaaa aaaattgcta ctaggtaata ttattcacct gggtggaaat 360
gaccgagtaa gaaaggtagc agagagcttg caatattgaa tcaagtctga tatattgcga 420
gaatgctgct ggcaaagaat cattaattgg aaaagtagaa aaaaagaaac tgngaaataa 480
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ntaagggn 548

<210> 7360

<211> 148

<212> DNA

<213> Homo sapiens

<400> 7360

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accgagggtg cgtgagcggg tgcgtgaggg gaacgaggag gctcaaacac tgactggggg 120
ttgggagttt ggaggagggg gnnnnnnn 148

<210> 7361

<211> 469

<212> DNA

<213> Homo sapiens

<400> 7361

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ttatttggga cttaacagac agcagttagt aaagtcaata aaaagtatta ggggccgggc  180
gaggtggctc atgcctgtaa tcccagcact ttgggaggct gaggtgggcg aatcatttga  240
ggtcaggagt tcgagaccag gctggccaac atggtgaatc cccgtctcta ctaaaaattc  300
aaaaaaatta gccaaagtgt gtggcgggca cctgtaatcc cagctactgg gaggctgagg  360
caggagaatc gcttgaaccc aggaggcana ggttgcaatg agccaaatcg cgccactgct  420
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<210> 7362

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7362

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cggtttcaca actttattaa aaataaattt ataagtaaac aaatcgtaac tttatagatt   60
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ggatcttttc ctgagtggga gtacatacga ggtagggaag agaaaacaac aaaccagaac  180
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ccctgagctc tcttcaactg cactacaaaa gggcaggcca cccccagcac agtcaagtcc  300
tgagctccct ctgctttag ccaggcacca tgttagtgat ttccacctca gggctttcct  360
tttaaaatcc acaccacaca tgcctttgca agtcagctct ctcacctctn catactcatt  420

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tcactctttc ccaacttccc ccagcccaac cttttgccag cttccttcac tcactggaat 480
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 tgccagaaaa cnccattttg g 561

<210> 7363

<211> 526

<212> DNA

<213> Homo sapiens

<400> 7363

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 tgtttacaga taccaccac cacacctagc taatttttgt atttttagta nagacgggat 180
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 aggaatggag catttaacat agtaaataaa agtgagatat tccaaatttc tcatttttac 420
 actatgggat aaggatgttt aatactaagg gaaaaattaa ctggtggact ggcttctata 480
 gcttaaggaa tnttaaaatc cactttanat tnggatttcc aaataa 526

<210> 7364

<211> 536

<212> DNA

<213> Homo sapiens

<400> 7364

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 gcacctgcca ccacaccgg ctaatttttg tatttttagt agagatgggg ttccaccatg 180

ttggccaggc tggctctcaaa ctcttgacct caagtgatct gccacctcg gcctcccaaa 240
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 ttcataatgc aattgaaacc ttatattctt atgtttcgga caggctgggt acttaactta 360

aatctttgaa aaaaaaattg aattcaactc tcagaaagct tatggccttt tgcagaatta 420
 taagtttaca aatacctggc atgcacttaa gtgataggat cagattanna aangngcaac 480
 atgcttcttg gtttaacacg cctgaaataa acttaaagga accagaagtn cctngg 536

<210> 7365

<211> 538

<212> DNA

<213> Homo sapiens

<400> 7365

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 tttcgagcag caggttatgt acacagtatt aaaaaaggaa tatagattgg ggttgttttc 180
 tttttttaa aaaaccagtt tgagtagctt atctggcctt gtgtcaaaaa caagccaaaa 240
 gttttggaac tggctggaat gtgctgaggg gcaacttggg aaaacggcag ggctcactca 300
 ttcctgggag tatctgattg acacagagga cgctgttgaa ctggggcctt atctgaaaag 360
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 taggtataga aagctttggt cagtaaaaac aaattagtga actgaatgaa attttaaata 480
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<210> 7366

<211> 524

<212> DNA

<213> Homo sapiens

<400> 7366

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 caggcgcatg ctaccatgcc cggctaattt ttgtattttt agtagagacg gagtttcacc 180
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 aacatgattt cataatagac tgcatactta gtgttacgct ttcccattca attaaaagta 360
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 ttcaacctat taagttctgg gattttggna actgaagacc ctttcatgng tcccaanagg 480
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<210> 7367

<211> 536

<212> DNA

<213> Homo sapiens

<400> 7367

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 atttctcaaa gtacaatata ccataaggta aaggtttgac attaatagaca gtgaatatag 180
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 ttgcagaatt taaaaccttt tagaacatgt gtccatgtgg ccacacatat tatatgggac 420
 gaataaatcc atataactaa gcagatatag aatgcaaaat gctcaaagta aacngaata 480
 ngacccccca ggtgaaactg gtttangagc tggggggtaa ctcatgggca caatnt 536

<210> 7368

<211> 545

<212> DNA

<213> Homo sapiens

<400> 7368

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cctctgctgt tgtagatagt gcttttttca gccaacagct cttaggtgga gcaacactca	180
ctttaaatca gctttcaaag agctactcat ccaagggagg tcaactcaaa agggctcaaa	240
ttgggcagct gggaaatctg cactagagac atgacaaaag aagtcaaaag ggacacagtg	300
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ttacagatca caaatacagt cagtaaggaa gcacaacccc ttggtggcca actggattat	420
catctgaaca caccagacaa tgattactga ttacagaatg gggaaaaggg aagcanaggt	480
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<210> 7369

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7369

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tgagtagctg ggattacagg tgtgtgccac tatgcctggc taattttttt gtatttttag	180
tagagatggg gttttgtcat gttggccggg cttgtctcaa agcctggcct caagtgatct	240
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ggggccgagt cataagcaga ngtcaagggt gagcctttca naagaggact ttctttcctt	480
gacaagccnt tttggagaag aaaggacat ttttcngcc ttttaattcnt tttggttcaa	540

ggccttaatt tgg

553

<210> 7370

<211> 548

<212> DNA

<213> Homo sapiens

<400> 7370

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<210> 7371

<211> 554

<212> DNA

<213> Homo sapiens

<400> 7371

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 aaaaaagcta agcaagtttc tttactgaag ggcttcttag agccattaat aagcttatta 240

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 ctggggactt gcagaatccc ttcttctgaa aaagtatggt agttcgcag caccacatn 480
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 gaaanaagcc cttt 554

<210> 7372

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7372

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<210> 7373

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7373

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aattcttcac agaaagtTtc atgtgagggt ttccaaaagc ccccttgtag ccattccctg	480
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<210> 7374

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7374

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aaccacaaaa aagacaagaa gtgagtgtaa gattataaaa tgTTaatgat gaaattccag	180
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attggcatct tggnaatttc attagtttca atacccaaca ttntcnaagc ataaaatttt	540
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<210> 7375

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7375

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aggtgtgagc caccacacca tgcctacaga aggctttaaa catttccaac gtgagtcata 180
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accttatgac aagcagaaaa gggagttcta taaactccct gncctttaac ccctgagcaa 480
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<210> 7376

<211> 508

<212> DNA

<213> Homo sapiens

<400> 7376

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aaaacaaaac taaatgaaaa agaacctttc tagctgggga atgactgccc ctctgggggt 360

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tagccaagtc ttatgcatag caagggctca gccaggagta tgcccttgat ctgcaaactg 420
 accaatccag agactccatg ccgncctctag cangcctgta caccacagga gacaatattc 480
 cttgcntang cateccanggn cangtcca 508

<210> 7377

<211> 559

<212> DNA

<213> Homo sapiens

● <400> 7377

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 tcgatcttat atttgaggaa tgggttgcaa cacgattaac cacatcttgc ttcctccttt 180
 ccttagcaat ctcgtttgct gcagcaacca tccgtgcccg cagctctctc aaggatgggc 240
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 tcatagatca tatgcctttg gctcaaagcc tcacatctgt tagtggtttt agaaactggt 420
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<210> 7378

<211> 481

<212> DNA

<213> Homo sapiens

<400> 7378

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cacaggcgcc caccaccaca cctggctaac ttctctatit ttagtagaga cggggcttca 180
 ccatattgcc caggctgac ccgaactcct gacctcaagc aatctgccc ccctggcctc 240
 tcaaagtgt gggattacag gcatgaggca cggtgccag ccattcaacc attaatgcat 300

 tactttagtc actcacggcc catctcaatg aaattgaggg caaagaccag ccggnrcagg 360
 cagtgtcagc cctcanaatt tattagttag ggcncactgc gttcagggga aggcatanag 420
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<210> 7379

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7379

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 aacaatcaat catattgcca gaagaatcaa tgaccacagc ctactgcacg ccgagtgggt 180
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 gtcccccaaa tgctctatgt gccccagtg angcccctgg catgtgcccc ctggctgagc 480
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<210> 7380

<211> 501

<212> DNA

<213> Homo sapiens

<400> 7380

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ttaacttcct gcatagctgg aactacaggc atgtgccacc acatcaggct caattttaat	180
ttaatttaa tttttttgag acatagtctc actctgtcgc ccaggctgga gtgagacccc	240
atttcaaaaa aaaaagtgcc aaatgngtcc ctccaattcc agtcagcact tttggaaaca	300
cgcgtaaaat tgttgccaat gtgcattctg nggtgttggg agtcattgtg caaaatgcgt	360
gggcagcaag cactcttttg ngaaccaagt tctatgaacc accaagtatt ctttctctag	420
gctgaattcc aaggctntgg ttcaaaanag tncagggttc tgaaaggaan gggattggac	480
tatggatgcn gntttcttnt t	501

<210> 7381

<211> 501

<212> DNA

<213> Homo sapiens

<400> 7381

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gagactacag gtgcccgcga ccacgcccgg ctaatttttt gtatctttag tagacacggg	180
gtttcactgt gttagccagg atggtcttca tctcctgacc tcatgatcca cccacctga	240
cctcccaaag tgctgggatt acaggcgtga gccaccacgc ccggcccatt ttcgtctttt	300
tctccactgg ctttatttcc tcttcaccgc gttccccctt accaaaaaaaa agtggggcaa	360
ctaggccagt acaagacagt catcagcctc agggcctgtg cgcacacggg tgtgctggan	420
atgctggcat ggatgggggg ggtgggattt gcttgagtgc tcgtctntga cangnccant	480
naggnatggt tctctacatg g	501

<210> 7382

<211> 565

<212> DNA

<213> Homo sapiens

<400> 7382

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cttgtgcctt ggtcctcctg ctactatta ggaggacaag agctgagggc caagctatgt   60
tgtgaaagcc aaaagaaaca actgctatag atcgccaaac ctactggta atatacggct  120
tttccttttt gctttgagaa ttgctcatca ttttcccaca tgtaagtcca cagactttaa  180
tcaaaggctt cctttgtcat aactaccaat aatcggaact aggattttaa aaggctggta  240
ccagttctcc aagctactgc cttcccagct ctactgtatt caagacagca acctaaggct  300
gcaaacaact catgcttttag gaggaaatga gcaaagagac atctctgaac cccgctaaag  360
atttcagcag gatggccagc atctcccaa aagccaagtt tccagctttc ccataatagt  420
tcaccaggct gtcattcttc atgnactttg atcccgnttt gccaaggttt tcttnccact  480
ttcctttatc aaggagggtc ccagnccaac cttagccccg gaaccaagcc ncagatccga  540
aaganccnac ttttcgggac aagan                                           565
    
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<210> 7383

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7383

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aaagctagtc aagtgaagca gtgagagtgg agaaggaaca aataatctgt aactagttgt   60
gatcaattag ttgtaaacac cactgcactc ggaccagcgc aaactcattc ttaacctaat  120
cacctaaaat aattcttate atctattctt cttcaggtaa aaatggagcc ctggatgtta  180
ttttaacgac ttgccatcct tcctgttttg agagtgtctt tgtaactgg tggcatacct  240
tcgtgaccgc gtcctacctt cctcattcag acctgtgctg ttcattgctg tattcccagt  300
cccttaaaaa gtactcaaca cgtgaattgc aaaatgaatt aacaactttg agggaggtgt  360
tattatcatc ctggctttac agatgaggaa actaaggttt acttagcaag attaagtaac  420
    
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ttgcctangg gttacaaacc actagccagg aaacaaaccc acatntgacc ccaaaggcct 480
 tggttttact ntancctact ggntagaaaa gctttttaaa ggcttgcctt ttggggctta 540
 ctgggggcag tttntttta aagg 564

<210> 7384

<211> 484

<212> DNA

<213> Homo sapiens

<400> 7384

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 caacctctgc atcccanatt caagngattc tcttgccctca gcctcccaag tagctgggat 120
 tacaggcgcc tgccatcacg cccactggct aatttttttt tttgtathtt tagtaaagac 180
 agggtttcac tatgttggcc aggctggtct cgaactcttg acctcaggng atctgcccac 240
 ctcggcctcc caaagngctg aaattacagg catgagccac cgtgctgggt ccctaactat 300
 atatttccag gcacatntg ggaggtactg gcttagcaga ctgaggcagg actgactcag 360
 gggaagctga atgcctgcag tcagatccag agagcctttt ggacaagaag gggacaagcn 420
 agaaccncng aagtcaggga aggggggaan ggaatcttgc agggcantat ancaancgtt 480
 gagt 484

<210> 7385

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7385

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 gtctcctcac agtgacttaa cacctgcttg tgaattcctg caactatgta attacaacat 180

ggttgacatg caaagaaata tggcttatga gaatttaaaa gaaaaatcaa tggctttatg 240
 tttattcatt agcaggtgag acaattatit ttgaaactaa cttttttttt aagatgccaa 300
 cagcactttg ggaggccgag gcaggcagat cactaggtca ggaaatcgag accgtcctgg 360
 ccaacacagt gaaaccctgt ctctactaaa aatcaaaaaa attatctggg tgtggtgggtg 420
 tgccgcctgg agtcccagct cttcaggang cttgtggcag gagaattgtt gactctggaa 480
 gnggaagctt gaatgagcca agaattggacc actggacttc ancctggcaa canaangaga 540
 cttcgnnttc aaaaannttt cca 563

<210> 7386

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7386

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 tgtaaacact gggttccttct caaccaccgt attctgattg ggtctataag tagcaccacg 120
 tccacaccac agcacgcttc tgggggtccag gagaccgcct tccactactgt gctggccccg 180
 cctgtgtacg ggccccgggg ccggggccatc cagggtgcct gtggtgetca ccccccatg 240
 gcgctcttct cgctgtcttt ggggctgggc tcttcggag tcttcttcat ctcccagccc 300
 ctgaccacgg tgtaggcgga ggagccgccc agcaccatca tgttgctcgt ccaccagagg 360
 aagctcttgg tctcctcgta ntagaacacg gncagcactg ctgggcacaa gccttggccg 420
 tgcccagacac aattgggggt caaccggact ggtgaacttg aactgnaatc ctgncacgta 480
 anccnatggc aaagccnaac aggccggcca anggnattaa tccccaaaaa tgggcacttg 540
 ccaaattggg caaagtaccc aagggtctga 569

<210> 7387

<211> 554

<212> DNA

<213> Homo sapiens

<400> 7387

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gggaacttta gcacaaaaat caagtctctc ctagtccatc tagcttcccc ttcctcccca	120
cttaaaaaaa agaaaaaatt aaatcacaaa gtcccactta agtcaaaatc ttcgtccgct	180
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ggagctgctc aggtagccct cctgggtccg agagagaagt cctgagggtt gggggggagaa	360
gtcaaactat tgaaggggac tcggacatgg gcccggaaga aggaaggtgg gtcgggggag	420
ccacccccgg cagncccatg ctaggggcaa aaagcttggc agcttctggc tggaaaagca	480
aaanggtat tgggccatcg gcanggtagg tgaanccngg aggcattgng ctcaaaaanaa	540
gggggggggn aatg	554

<210> 7388

<211> 497

<212> DNA

<213> Homo sapiens

<400> 7388

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ctcactgcaa cttctgcctg ctgagttcaa gngattcttg ggcctcanc tctgagtag	120
ctgggattac agngccccgc cactaagcct gactaatttt tgtattttta atanaaatgg	180
gatttcacca ttttggtcag gctggtcttg aactcctgac ctcaagngat ctgctgcct	240
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tttgntctaa tcttgctatg gcgaatgcan ttggtattga ggtcttgtat anacctgggt	360
tttaggatgt agcagaactg gattaatatc ctgcatcacc attattaac agcattgcta	420
aaacnaagct atgnntcctt tctgaaccct ggtttctcat cttaaaaaac aagtnnttga	480
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<210> 7389

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7389

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caaatcctag gtttggtcct ttattttatt cagcagtgaag agccatgaat acagaacgaa    60
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tagtacacag taatgaaaag tatcaaaaat taatttacct caaaaaagat aaataaaaca   180
ggtatatcc accaatacat aaacagatgt ttgtgctaca gtttaaaatt tgctgtatac   240
aaaagatcat agtccccata atcagcttat gatagaagca agaatacatg agccatttaa   300
attgtcagac attatgcttt ataaggtagt cacagaagtt caagcaataa atacatacat   360
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tagcaagcaa tgatataaga gtaaaaattc atgaaatgca tcaaagcaca tttttcttag   480
aaaaaggctg ggatttatng gtccccca nttttacnta atatgccccaa ttttcaaatac   540
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<210> 7390

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7390

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gtagagacgg gatttccgcc atgttgccca cgctgttccc caacttctga actcaagcga    60
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agtgacttct taatatatat cctaaagcgc aagaggcact ggatatttgt ggagtcttga   180
taaccaccag ggaggggccc aaggtaggag agaacaattg ttctgagaga caagtaacca   240
taaacaacgc gctgacacaa cgaccttgct ccacaggtag cccaaatggc acaacctcga   300
tcagcatgta gccccctcca gaagacctta taaaacttcc ctccagcccc tgcctctttg   360

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cagacagccc cttctctgta gtggctacat attgcaccct tgcaatgaaa tttcatactt 420
 tctctaataa atggngcctt tatttttctt cccctacact ggcttggtaa attccttacc 480
 accggnacan cagncccaag caggcacact tgnaagaagt nctaacagtg gagcaacact 540
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<210> 7391

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7391

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 ttctgccgta gccacctgag agtagctggg attacagggtg cctgccacca cgcctggcta 180
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 atcccgtant ggatggcggc gcggcatatg ctaaacagct ttatagacag agttccaaaa 540
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<210> 7392

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7392

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~~tctccattct taggaacatg gaaaagggga atccatactt gtgtgaaagt agccccctaag 300~~
 ccacctccct cctggagatt ctaaggaaac ttatcagccc accatcccta aagaactcct 360
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 ctgagccag cccaagcttc caccctgcct tanagacagg atccacctgc tactctggtg 540
 agaagctnta aaaagctac 559

<210> 7393

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7393

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 ccacaaaagc ccanactcat atggtttn 568

<210> 7394

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7394

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gccggagctg cacttcttcc tcttcttgnt gcccgggggc gcctcgtctt cttgcccana  480
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aggctttcag gaagcnnagg aaaact                                     566
    
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<210> 7395

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7395

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tacaggtgca acaccaccac acctggctaa tttttgtatt tttagtagag gtgggggttc  180
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ctgagtcttc tgggtagctg taactacagg cacacactac cacaaacaac taattttttt  480
    
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tttttttttt acagattcctt actatgttgc caangctgat ctgaaactnt naggcctaaag 540
ngatcctcca ctttgggcct ctaaattatt 569

<210> 7396

<211> 573

<212> DNA

<213> Homo sapiens

<400> 7396

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aaactcttaa ttctcaagat tattccaggg ggg 573

<210> 7397

<211> 574

<212> DNA

<213> Homo sapiens

<400> 7397

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gcaacctccg cctcccgggc tcaagcgatt ctctgcctc agcctcccga gcagctggga 120
ttacaggcat gcaccaccac gccagccaa ttttgtatct ttagtagaga cgggtttcgc 180

catgttggtc aggctggttt cgaactcctg acctcaggtg atccgcctgc ctcggcctcc 240
 caaagtgttg ggattacagg catgagccac tgcgcccggc cctattcaat tctatttagt 300
 cactaagtat gaaaagtatt caggttttgc taagccaggg tcaaacactc cccacatcct 360

 agtttagagt gcttagattt tccctctttt tcatgcaatt taatgaatgt taaattagca 420
 tgaaaattaa atgttatttt taaactccct aaaactttta aatgttgcta aagttatttt 480
 tccaaatgta taaaatgacc tcatttaata aaaataaact atcttaatgg tagnatatga 540
 tccgaattgg agtggagaat ngaaaacagt ccca 574

<210> 7398

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7398

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 tgggaatata ggcatgtgcc ccatgtgctg gggatttttt tgtatttttg tatttttagt 180
 agagatgggg tttcatgttg cccaggctgg tctcgaactc ctgacctcaa gtgatctgtc 240
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 gttaaggaat tgcctgcaag gncttctcgc ttccaagttt tcttggtgag caaaagtaag 540
 aatgagctct ttctcttttt ttttttttt 569

<210> 7399

<211> 476

<212> DNA

<213> Homo sapiens

<400> 7399

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tacaggcgcc cgccaccacg cccggctaata ttttttttgt attttttggt ananacgggg	180
tttactgng ttagccagga tggctcgtat ctctgacct cgtgatccgc ccgcctgggc	240
ctcccaaagt gctgggatta ccaacttgga naaagtcatt agtttttgaa nagtctggan	300
aagttctaga aacccctgaa ctgacgagct tcttctcagt gaaaagacgg tccataaaca	360
gnggatttag aaacgcgacc cgaccttact gngagnggtt ctgatagtc ttgncacggg	420
agatccaaac gcancaggaa agggaatggg actnccgggg ngctttttcc naaaaa	476

<210> 7400

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7400

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tttcttaaat acatgggctc tgagtttcta ttccttgacc tggagcagga ttacaaaata	180
agaagaaatg cattccatct catctacctc tcctagtctc ttagagttat aactgagacc	240
aagctaagaa cctcctagtt gcatgtaaat tataaccatt aattgactgg aattcctagc	300
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